



REGIONAL COMPUTER FORENSICS LABORATORY ANNUAL REPORT FOR FISCAL YEAR 2014

RCFL

2014

FOREWORD

This report documents the accomplishments and progress of the Regional Computer Forensics Laboratory (RCFL) Program for fiscal year 2014 (FY14).

Now in its fifteenth year, the laboratories that compose the RCFL Program continue to evolve and adapt. Since the program's inception, we have seen a radical shift in both the capability and usage of computers and electronic devices. This rapid development continues to challenge the law enforcement community in its effort to keep pace with criminal activity. It is our goal to do all we can to support the law enforcement community by providing the highest quality digital forensics services and by sharing our expertise.

Over the past year, we have focused our efforts on maintaining the highest level of quality, while continuing to provide excellent digital forensic support. This year, six RCFLs in the program received international accreditation from the esteemed American Society of Crime Laboratory Directors/ Laboratory Accreditation Board (ASCLD/LAB), bringing the total number of accredited laboratories to 14.

Fiscal year 2014 presented both challenges and opportunities for the program. The Miami Valley RCFL closed its doors on September 30, 2014 after nearly a decade servicing the southern Ohio law enforcement community. However, 2014 also saw the beginning of the newest RCFL in Boston, MA, scheduled to open in 2017.



Throughout this report, readers will learn about some of the work performed by RCFL personnel to protect U.S. interests from criminals both at home and abroad. And why, now more than ever, it is important for us to leverage our scarce resources.

The RCFL Program thanks the FBI and the 142 participating agencies from the 16 laboratories nationwide, for their continued support. Now, with a 15-year legacy, it is due to the hard work and dedication of the more than 300 staff at the RCFLs and their commitment to sharing resources, we are able to continue to meet and beat the challenges presented in this new era of crime-fighting.

SSA Karen Nester
Unit Chief, RCFL National Program Office

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1.0 INTRODUCTION

This document highlights the Regional Computer Forensics Laboratory (RCFL) Program's accomplishments during fiscal year 2014 (FY14), which covers the period October 1, 2013 to September 30, 2014.

The RCFL Program is a national network of 16 Federal Bureau of Investigation (FBI) sponsored full-service digital forensics laboratories and training centers. As the most accredited digital forensics laboratory network in the world in digital evidence and multimedia, according to the American Society of Crime Laboratory Directors/Laboratory Accreditation

Board (ASCLD/LAB), the program is committed to providing the highest quality digital forensics services possible to the law enforcement community across all levels of the government.

An RCFL is devoted entirely to the impartial analysis of digital evidence in support of criminal or national security investigations. It is managed with a Memorandum of Understanding (MOU) between the Federal Bureau of Investigation (FBI) and other federal, state and local law enforcement agencies operating within a specific geographic area. There are 16 RCFLs in the National Program.

Map of RCFL Locations

RCFLs provide coverage to over 5,000 law enforcement agencies located in 17 states.



About RCFL

An RCFL is a one stop, full service forensics laboratory and training center devoted entirely to the examination of digital evidence in support of criminal investigations such as—

- › Terrorism
- › Child Pornography
- › Crimes of Violence
- › Trade secret theft
- › Theft or destruction of intellectual property
- › Financial crime
- › Property crime
- › Internet crime
- › Fraud.

RCFL Structure

RCFL examiners combine the talents and experience of federal, state, and local law enforcement agencies. A typical RCFL may consist of 15 people: 12 of the staff members are examiners and 3 staff members support the RCFL. The RCFL examiner's duties include—

- › Seizing and collecting digital evidence at a crime scene
- › Conducting an impartial examination of submitted computer evidence
- › Testifying as required.

How does the RCFL accept cases?

RCFLs examine evidence submitted in criminal investigations. All examinations regardless of submitting agency are prioritized according to published criteria. While requests for direct technical support are evaluated on a case-by-case basis, the RCFL responds as resources permit.

What is Digital Forensics?

Digital forensics is the application of science and engineering to the recovery of digital evidence in a legally acceptable method. Examiners use digital investigation and analysis techniques to determine potential legal evidence by applying their skills on a variety of software programs, different operating systems, varying hard drives sizes, and specific technologies. Digital forensics examiners are capable of locating deleted, encrypted or damaged file information that may serve as evidence in a criminal or terrorism investigation.

Benefits of Participation

An RCFL is a partnership between the FBI and other law enforcement agencies operating within a geographic region. Organizations that enter into a Memorandum of Understanding with the FBI become participating agencies in the RCFL. In this capacity, they detail staff members to staff the laboratory, and in return, they and their personnel receive—

- › Priority access to digital forensics examination and advisory services
- › Seven weeks of the same sophisticated technical training that is provided to FBI's certified computer forensics examiners
- › Compensation for overtime worked¹
- › Exposure to the most technologically advanced computer equipment available. The FBI invests an estimated \$25,000 per workstation and updates the equipment approximately every two years
- › Broad experience in a variety of digital forensics cases
- › An RCFL-issued cell phone and use of a government-leased vehicle²
- › A stake in the management of the RCFL.

SERVICES

RCFLs provide a number of services to the law enforcement community—

- › **Pre-seizure consultation**—RCFLs help with search warrant preparation as it applies to computer evidence, by advising on computer related language, which may be included in the affidavit.
- › **On-Site Seizure and Collection**—RCFLs offer on-site support in the seizure and collection of digital evidence. Typically, agencies request this type of support by filling out a service request in advance. However, the advance notice requirement can be waived in exigent circumstances or when digital media is not expected at the scene.
- › **Duplication, Storage and Preservation of Computers and Computer Related Evidence**—Examinations are typically conducted on copies of the original evidence because of the possibility that the data may be contaminated. Therefore, RCFL examiners, depending on the circumstances, will either duplicate the media (or copy the information) on-site, or they will



bring the electronic equipment to the laboratory where they will duplicate the media and then perform the examination.

› **Prompt, Accurate and Impartial Forensics Examinations of Digitally Stored Media—**

Computer forensics examiners are scientists. As scientists, their job is to conduct a thorough and objective examination of a computer and/or computer related evidence to convert it from a digital format into something that the investigator can view. It is not the examiner's responsibility to analyze the data for its meaning or significance to the investigation. This impartiality and objectivity lends credibility to both their findings and subsequent testimony.

- › **Courtroom Testimony**—As records are recovered from seized computer evidence, the prosecutor is likely to use the examiner to introduce the computer or computer related

evidence into court. As an expert witness, the examiner can explain, under oath, about how they conducted the examination and what they discovered as a result. RCFL examiners are trained in courtroom testimony as part of their forensic examiner certification process.

- › **Cell Phone Investigative Kiosk (CPIK)**—CPIKs allow law enforcement officers with proper legal authority to extract data from a cell phone, put it into a report, and burn the report to a CD or DVD in as little as 30 minutes. Visit the RCFL website (www.rcfl.gov) for kiosk locations, to see which phones are actively supported, and to read FAQs about the program.

- › **Loose Media Kiosk (LMK)**—LMKs enable users to review evidentiary data found on handheld electronic devices such as thumb drives, flash media, CDs/DVDs and more.

1. Overtime compensation is awarded to sworn law enforcement officers through the RCFL Program's partnership with the Asset Forfeiture Program discussed later in this report. Funding is allocated annually and is not guaranteed. Funding has been awarded to the RCFL Program through Asset Forfeiture partnership since 2006.

2. Cell Phones and government-leased vehicles are also provided through the program's partnership through Asset Forfeiture and are subject to annual approval.

2.0 PARTNERSHIP

PARTICIPATING AGENCIES

The RCFL Program's 142 participating agencies detailed staff members or resources to the RCFLs in FY14. The executives of these agencies serve on the Local Executive Boards (LEB) of each of the RCFLs. The program could not operate without this generous support.

New Participating Agencies

Fiscal year 2014 was an excellent year for the RCFL National Program. The Program welcomed *fourteen* new participating agencies at nine of the RCFLs.



3.0 FY14 PROGRAM ACCOMPLISHMENTS

In its fifteenth year of operations, the RCFL Program continues to enhance the quality of its services for the law enforcement community. The program excelled in a number of areas:

- **Six laboratories received ASCLD/LAB-International accreditation status**—During FY14 the Chicago, Greater Houston, Kentucky, New Mexico, Northwest, and Philadelphia RCFLs all received international accreditation.
- **GHRCFL awarded for contributions to the Intelligence Community**—Five members of the Greater Houston RCFL received the prestigious Office of the Director of National Intelligence Award.
- **Reaching out to Prosecutors**—The Heart of America RCFL continued its tradition of outreach to local prosecutors, and on October 25th, hosted its 3rd Annual Digital Forensics for Prosecutors Conference at the Kansas City, Missouri Police Academy.
- **Supporting High-Profile Cases**—During FY14, the RCFL Program continued to support a number of high-profile cases which are featured in detail in Part 2 of our report.
- **More Requests for RCFL Services**—The RCFL Program received nearly one thousand more service requests than the previous year.

FOCUS ON QUALITY

The RCFL program is committed to providing the highest quality digital forensics services to the law enforcement community. Therefore, the program supports the American Society of Crime Laboratory Directors/Laboratory Accreditation Board (ASCLD/LAB) accreditation to further enhance and strengthen the services offered by all of the laboratories in the program. Accreditation through ASCLD/LAB is awarded for a five-year period and serves many benefits to the program.

- **Improves Quality**—Accredited laboratories must follow appropriate quality controls and quality assurance procedures. Accreditation strengthens the quality of the RCFL's services because an independent, impartial, and objective team of experts review the laboratory's findings and operations.
- **Strengthens Operations**—Accreditation ensures that an RCFL is abiding by criteria that are designed to assess performance, while also strengthening operations.
- **Establishes Standards**—With accreditation, the general public and the users of the RCFL

are assured that the laboratory is following established and widely accepted standards.

- **Guarantees Examiner Qualifications**—ASCLD/LAB requires that laboratories have certified examiners on staff. All RCFL examiners must undergo the FBI's rigorous Computer Analysis Response Team (CART) certification process, and may not perform examinations independently until doing so. (Trainees may need anywhere from six months to a year of training before they are certified.) CART certification implies an individual has a certain body of knowledge, and counters a recent trend where an investigator takes a short course in computer forensics and is deemed an "expert."
- **Protects Evidence**—Accreditation reinforces the program's already stringent handling procedures.
- **Ensures Accurate Results**—Accreditation can enhance forensic results by requiring sufficient written protocols that serve as an empirical basis for the most basic and complex procedures.

To be accredited, a laboratory undergoes an intensive assessment by expert evaluators who conduct a wide-ranging assessment. "Accreditation demonstrates that a crime laboratory's management, personnel, quality system, operational and technical procedures, equipment, and physical facilities meet established standards" according to the ASCLD/LAB website.

MORE LABS ACCREDITED

During FY14, six additional RCFLs achieved the prestigious ASCLD/LAB-International accreditation, bringing the total of RCFLs accredited in Digital and Multimedia Evidence to fourteen. The accreditation process involves an intensive, external, independent review that evaluates the qualifications of all laboratory personnel; the laboratory's operational and technical policies, practices, and procedures; and the laboratory's quality management system. Requirements are based on International Organization for Standardization (ISO) 17025-2005 standard and ASCLD/LAB supplemental requirements. Accreditation is awarded for five years, but each year, ASCLD/LAB conducts annual surveillance visits and requires reporting on conformance.



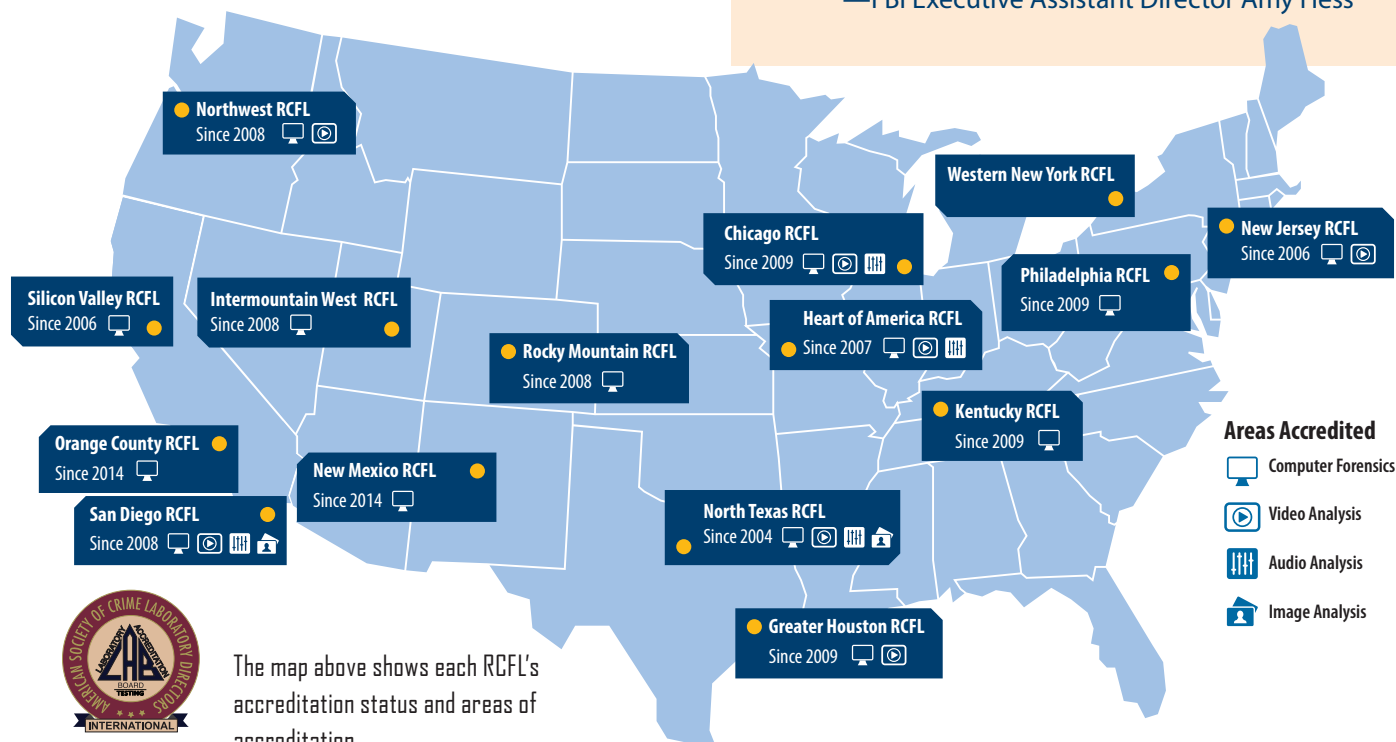
The New Mexico RCFL achieved ASCLD/LAB-International accreditation on April 25, 2014.

RCFLs have a long history of accreditation through ASCLD/LAB:

- In 2004, the North Texas RCFL was the first federally affiliated digital evidence facility to receive ASCLD/LAB accreditation in the entire country.
- In October 2008, the Intermountain West RCFL was the first RCFL to earn international accreditation following criteria established by the ISO.
- In FY14—Chicago, Greater Houston, Kentucky, New Mexico, Northwest, and Philadelphia—followed suit, bringing the total of RCFL laboratories with ASCLD/LAB-International accreditation to fourteen.

"Digital devices and information are pervasive in our society and play a frequent role in our investigations. It's important that law enforcement has the tools necessary to examine electronic evidence, such as data on cameras, laptops, and smart phones, to effectively serve the public to further the cause of justice. The FBI is proud of the RCFL program and the services member labs and personnel provide to our law enforcement partners."

—FBI Executive Assistant Director Amy Hess



BY THE NUMBERS

Digital Forensics Services³

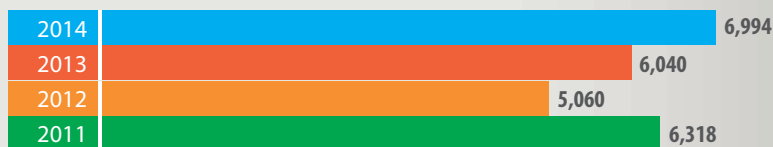
Agency Requests

Number of agencies that requested RCFL assistance.



Service Requests Received

Number of requests for assistance received by all RCFLs.



Field Services

Number of cases supported by on-site operations, conducted by law enforcement, for which RCFLs provided assistance.

A case is defined as a request for assistance.



Examinations Completed

Number of digital forensic examinations and searches completed by RCFL personnel.



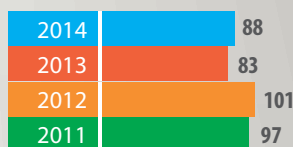
Terabytes Processed

Number of terabytes (TB) processed for digital forensic examinations and searches.



Examiner Testimony in Court

Number of times RCFL Examiners testified in court and/or at hearings. This does not include subpoenas to testify when testimony was not required.



Kiosk Services⁴

Total Kiosk Use

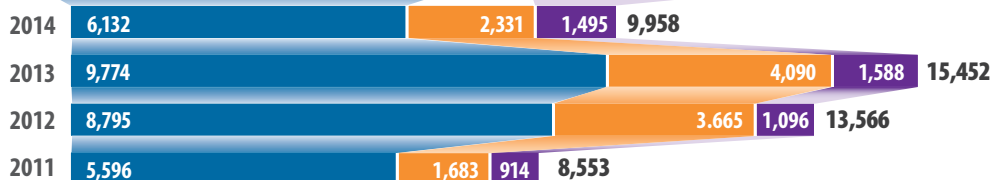
Number of times law enforcement officers used RCFL kiosks.

Cell Phone Investigative Kiosk (CPIK) Usage

The collective number of times law enforcement officers used the CPIK at RCFLs to review cellular phones at RCFLs in support of investigations.

Virtual Cell Phone Kiosk (VCPK) Use

Number of times law enforcement officers used the VCPK* to remotely review cellular telephones from their agencies or in support of investigations.



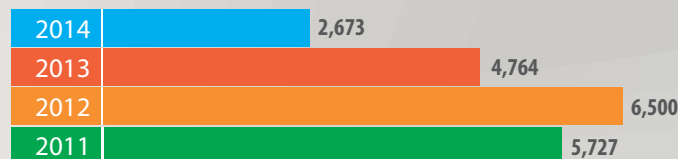
Loose Media Kiosk (LMK) Usage

Number of times law enforcement officers use the LMK to review loose media at RCFLs in support of investigations.

Program Services

Training Conducted

The number of law enforcement personnel trained at RCFLs and online (including the RCFL Program webinar) in various digital forensic tools and techniques.



* The VCPK is only available through the HARCFL

3. During Fiscal Year 2014, changes were made to the reporting by RCFLs to include updates to the method for reporting on the data collected. The descriptions reflect the new data. Note that previous fiscal year data is provided for comparison purposes.

4. Use of RCFL Kiosks requires valid legal authority.

4.0 FREE TRAINING FOR THE LAW ENFORCEMENT COMMUNITY

Training is one of the most valuable services that an RCFL provides. Each RCFL includes a state-of-the-art training facility that enables laboratories to offer a wide-range of classes, covering topics such as: seizing and handling digital evidence, using FBI-developed preview tools, and understanding digital forensic examination results. Below are some of the training and outreach events RCFLs offered to the law enforcement community during FY14:

- › Live, classroom-based forensic courses as a part of regularly scheduled classes hosted at RCFLs
- › The 3rd Annual Prosecutor's Conference hosted by the HARCFL for prosecutors in Missouri and Kansas
- › Continuing Education Series materials available via download on the RCFL Program web site (www.rcfl.gov).

Classroom-Based Training

Individual RCFLs offer a variety of training classes to members of their local law enforcement community. Offerings vary by laboratory but generally include courses such as:

- › Seizing and Handling Digital Evidence—Law enforcement officers learn how to recognize digital evidence and then how to handle it when legally seized.
- › ImageScan and DriveQuest—Participants get hands-on training in using FBI-developed preview tools.
- › Case Agent Investigative Review (CAIR)—Law enforcement officers who have submitted evidence to the RCFL for forensic examination learn how to understand the results of the exam.

HARCFL's Third Annual Prosecutor's Conference

The HARCFL once again sponsored a free, one-day training event on digital forensics for prosecutors on October 25, 2013 at the Kansas City Police Academy. The event focused on training opportunities for prosecutors, judges, and related staff. The HARCFL sponsored this event with the full support of its participating agencies to help legal professionals throughout their service area better understand the science and practical applications behind digital forensics.

Since 2003, the HARCFL has made expert digital forensics expertise and services available to 867 law enforcement agencies throughout Kansas and Missouri. The annual conference provides attendees from the legal profession a unique opportunity to learn more about the science of digital forensics from the area's top experts. Discussions focused on digital forensics, social media, and mobile devices. During conference sessions, attendees were given opportunities to hear case studies and legal updates.

Continuing Education Series

The RCFL Program continues to provide a number of program and training materials through its web site. Most materials are offered via download—for free—to members of the law enforcement community. Additional materials may be obtained by contacting your local RCFL.

5.0 ASSET FORFEITURE FUND

Department of Justice Asset Forfeiture Fund

During FY14, the RCFL Program continued its partnership with the Asset Forfeiture and Seized Property Unit, which allows the program to utilize Asset Forfeiture Funds (AFF). RCFL has received Department of Justice (DOJ) administered funds since 2006 and during last year, received \$2.2 million in funding to support the following RCFL Program activities—

➤ **Maintaining Reduced Backlog**—An RCFL places a service request in backlog if it has been open more than 30 days and is not closed within 60 days. Ten of the 16 RCFLs either reduced their overall backlog from fiscal year 2013 or ended the fiscal year with no backlog. AFF resources allow the RCFL program to compensate examiners detailed from state and local law enforcement

agencies for overtime worked. This benefit allows for an overall increase in productivity at the labs.

➤ **Overtime Compensation**—The RCFL NPO processed 1,000 requests for overtime using AFF resources. Overtime compensation to our state/local partners continues to be an important benefit to joining the RCFL program.

➤ **Leased Motor Vehicles**—The RCFL NPO provided 109 leased motor vehicles to state and local examiners during the FY14. The RCFL Program provided on-site support in over 400 cases. Having a leased vehicle at their disposal enables personnel to quickly respond to last-minute and/or emergency requests for digital forensics support (e.g., a missing child or terrorism investigation).

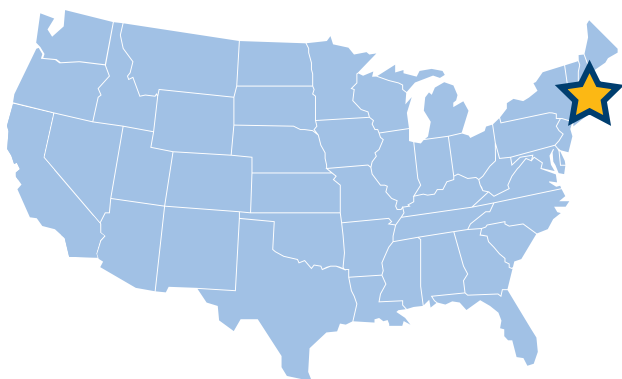
➤ **Issued Cellular Telephones**—The program issued 95 cellular telephones to state and local personnel assigned to RCFLs.



6.0 WHAT'S AHEAD

The RCFL program is excited for the opportunity to expand our program while remaining vigilant in light of new and evolving trends. Below are areas we look forward to working on during the coming fiscal year:

- **Expanding the Program**—After six years, the RCFL Program is pleased to announce a new RCFL will be built within the Boston Field Office in the Greater Boston Metropolitan area. This RCFL, which will replace the Miami Valley RCFL in Dayton, OH, will provide the same cutting-edge forensic services the RCFL Program is known for. The RCFL, which is set to open in 2017, will combine the forces of the state and local law enforcement agencies in the region with the resources of the Federal Bureau of Investigation to enhance the region's forensic capabilities. Additionally, in early FY15, the RCFL Program will begin a solicitation of interest seeking new locations with the hope that Congress will fund two additional RCFLs.



- **The Proliferation of Handheld Electronic Devices**—Year after year, vast enhancements to technology change the digital forensics landscape. The proliferation and continuous improvements in mobile devices, in particular, continues to push the envelope. The RCFL Program's partnership with the state, local and federal agencies it serves combined with its

capability to reach-back to the FBI for cutting-edge investigative support, helps ensure we continue to be aware of current trends in mobile devices and that we are able to keep pace with criminals' use of these new and evolving technologies.



- **Webinar Planning**—During FY15, the RCFL Program will begin planning its next Continuing Education Series Webinar event. Webinars have been a cost-effective means for the RCFL Program to provide training on cutting-edge tools and techniques to large numbers of law enforcement officers. The format is easily digestible and does not require travel. More than 11,000 law enforcement personnel have participated in RCFL webinars since the Continuing Education Series launched in 2007.
- **Evaluation of the current RCFL model**—The RCFL Program has had a very successful first fifteen years. As we move forward into the next fifteen and beyond, we are evaluating the best model for the future. We will take a good look at the existing laboratory network and structure and determine how best to go forward, including the possibility of expanding of the program, should funding become available.





PART II: PROFILES

Chicago RCFL	18
Greater Houston RCFL	20
Heart of America RCFL.....	22
Intermountain West RCFL.....	24
Kentucky RCFL	26
Miami Valley RCFL	28
New Jersey RCFL	30
New Mexico RCFL	32
North Texas RCFL.....	34
Northwest RCFL	36
Orange County RCFL.....	38
Philadelphia RCFL.....	40
Rocky Mountain RCFL	42
San Diego RCFL	44
Silicon Valley RCFL.....	46
Western New York RCFL	48



CHICAGO RCFL

www.rcfl.gov/chicago

Year Opened: 2003

Laboratory Director: Director John T. Dziedzic, Cook County Sheriff's Office

Service Area: Northern Illinois

Number of Agencies in Area: 364

Accredited Since: 2009



PARTICIPATING AGENCIES

- > Aurora Police Department
- > Berwyn Police Department
- > Chicago Inspector General's Office
- > Chicago Police Department
- > Cook County Sheriff's Office
- > Cook County State's Attorney's Office
- > FBI—Chicago Division
- > Joliet Police Department
- > Lombard Police Department
- > Oak Park Police Department
- > Palatine Police Department
- > Romeoville Police Department
- NEW > U.S. Customs and Border Protection

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

86

Number of agencies that requested assistance
(4 federal, 3 state, 79 local)

8

Number of times personnel testified in court

765

Number of service requests received
(307 federal, 8 state, 450 local)

585

Number of TBs processed during
examinations and searches

762

Number of examinations and
searches completed

47

Number of cases supported
by on-site operations

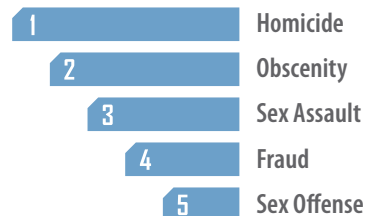
105

Number of law enforcement
officers trained in various digital
forensics tools and techniques

720

Kiosk Usage—Total number of times law
enforcement personnel used the RCFL's
self-service digital forensics tools
(CPIK: 511; LMK: 209)

TOP 5 CRIMES



NOTABLE NEWS

Attained ASCLD ISO Accreditation: The Chicago RCFL (CGRCL) attained the prestigious ASCLD/LAB-International accreditation status on August 12, 2014.

Hacker Serving 10 Year in Jail:

Hacker Jeremy Hammond is now serving a ten-year sentence for hacking into the US-based security think tank, Stratfor infiltrating dozens of U.S. government websites. Federal prosecutors said the hack resulted in more than a \$1 million in losses to individuals. The CGRCFL assisted with the investigation which included cracking the password on an encrypted laptop.



Protecting the Community—Video Assists in Solving Homicide of a Police Officer:

In December 2013, a Cook County Sheriff's Officer was celebrating Christmas with his family. Upon entering the parking lot; he found his son being held at gunpoint in an apparent armed robbery. The officer identified himself, drew his weapon but was shot and killed. Members of the CGRCFL responded to the scene and provided video enhancement that allowed the officers to identify a potential suspect. Additional enhancement showed that clothing recovered from the alleged offenders' residence matched that of the gunman captured in surveillance video. The subjects were arrested and charged.




Protecting Children—Video Analysis Aids in Solving

Child Abduction: The CGRCFL was asked to enhance video surveillance that captured a vehicle used in the commission of an abduction of a 3-year-old child. Chief Eric Guenther of the Mundelein Police Department stated, "The examiner gave us the opportunity to have a digital enhancement of the video of the surveillance of the offender's vehicle; this enhancement was instrumental in solving the case." The suspect was arrested and charged with kidnapping and aggravated criminal sexual assault.

Protecting the Community—Texts Assist in Proving

Guilt of Teen Murderer: John Wilson Junior was sentenced to 160 years in prison in the October 2011 murder of 14-year-old Kelli O'Laughlin at her family's Illinois home. Wilson, 41, was handed down the maximum

PULSE CHECK: STATUS OF FY14 GOALS




-  **Grow the Ranks:** The Romeoville Police Department joined the Chicago RCFL as a participating agency.
-  **Reduce the Backlog:** The Chicago RCFL reduced their backlog by more than 50% from the end of the previous fiscal year.
-  **Seek International Accreditation:** The Chicago RCFL attained ASCLD/LAB ISO accreditation

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY15

-  **Grow the Ranks:** Add at least two new participating agencies and bring additional staff on board from existing partner agencies.
-  **Reduce the Backlog:** Reduce the backlog by a minimum of 10 percent.
-  **Increase Training Opportunities for Examiners:** With the effects of sequestration cutting the training budget, the CGRCFL will continue to find alternate sources of training to ensure that examiner's skill-sets are not diminished.

sentence possible under the law. The teen was stabbed to death when she came home as Wilson was burglarizing the home. Following her murder, Wilson taunted the girl's mother, Brenda O'Laughlin, with texts from Kelli's stolen cell phone. An examiner at CGRCFL testified as to the text message sent and images recovered on the offender's cellular phone.

Technology/R&D Achievement: The CGRCFL established a decryption cluster that has significantly reduced the amount of items needed to be shipped out from the laboratory for decryption.



GREATER HOUSTON RCFL

www.rcfl.gov/houston

Year Opened: 2005

Laboratory Director: SSA Keith Hall, FBI (SSA Ryan Dusek, FBI during FY 2014)

Service Area: Southern Texas

Number of Agencies in Area: 327

Accredited Since: 2009



PARTICIPATING AGENCIES

- › FBI—Houston Division
- › Harris County Precinct 4 Constable's Office
- › Harris County Sheriff's Office
- › Houston Police Department
- › Pasadena Police Department
- › Texas Department of Public Safety

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

49

Number of agencies that requested assistance
(5 federal, 6 state, 38 local)

3

Number of times personnel testified in court

304

Number of service requests received
(172 federal, 21 state, 111 local)

306

Number of TBs processed during
examinations and searches

276

Number of examinations and
searches completed

19

Number of cases supported
by on-site operations

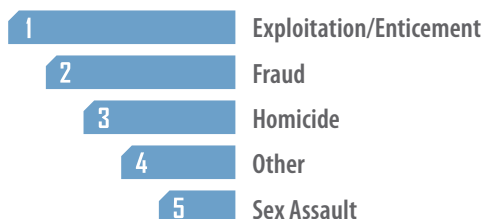
70

Number of law enforcement
officers trained in various digital
forensics tools and techniques

157

Kiosk Usage—Total number of times law
enforcement personnel used the RCFL's
self-service digital forensics tools (CPIK: 157)

TOP 5 CRIMES



NOTABLE NEWS

Attained ASCLD ISO Accreditation: The Greater Houston RCFL (GHRCL) attained ASCLD/LAB-International accreditation in Digital and Multimedia Evidence in June 2014.

GHRCL Recognized: Five members of the GHRCL, Ryan Dusek, Cynthia Landreneau, Glenn Joyner, Leonard Keiser, and Minh Lu received the Office of the Director of National Intelligence (ODNI) Community Awards Program award in October, 2013. The awards recognize significant and lasting contributions to the Intelligence Community.



GHRCL Deputy Director Cynthia Landreneau receiving the ODNI award from former FBI Houston Division Assistant Special Agent in Charge (ASAC) Todd Ratcliffe.

Protecting Children— Investigation into Serial





Child Molester: William James Vahey, a 64-year-old U.S. citizen and a suspect in an international sex crimes investigation, committed suicide on March 21, 2014. His alleged victims were American and international students enrolled in private schools abroad where Vahey taught, beginning in 1972. Vahey, who was jailed in California in 1969 for child molestation, committed suicide days after his employer saw a thumb drive belonging to him that contained pornographic images of boys who were likely drugged. When confronted about the images by a school administrator, Vahey confessed that he was molested as a child and had preyed on boys his entire life, giving them sleeping pills prior to the molestation. The thumb drive, belonging to Vahey and provided to the FBI, revealed pornographic images of minors who appeared to be asleep or unconscious. FBI agents reviewed the photographs dating back to 2008 that depict at least 90 alleged victims. Vahey traveled extensively and internationally during the past four decades working in at least nine different countries. The GHRCL conducted computer forensic examinations on a variety of digital media items provided to the RCFL. The examinations provided the case agents with the necessary information to assist in identifying victims within the case. Though Vahey committed suicide, the FBI continues to seek the public's assistance in identifying alleged victims of the suspected international child predator.



Protecting the Community—Militia Extremist Arrested:

Robert James Talbot Jr., 38, pled guilty to attempted interference with commerce by robbery and solicitation to commit a crime of violence. Talbot was arrested following an eight-month undercover investigation. Talbot espoused his desire to recruit like-minded individuals to blow up government buildings, rob banks, and kill law enforcement officers. On or about March 27, 2014, Talbot met with

PULSE CHECK: STATUS OF FY14 GOALS





-  **Obtain the International Accreditation from ASCLD/LAB:** The GHRCL was found to conform with ISO/IEC 17025:2005 ASCLD/LAB-International program and earned its ISO accreditation during FY14.
-  **Enhance Capabilities:** Progress is being made to enhance laboratory capabilities by implementing a distributed password cracking environment and is expected to be completed in the second quarter of FY15.
-  **Increase Efficiency:** Efficiencies were identified by the GHRCL, but are reliant upon interdependencies with systems being rolled out by headquarters.
-  **Expand the Roster:** The GHRCL continued collaboration with the Local Executive Board, but did not gain additional participating agencies.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY15

-  **Grow the RCFL:** Enhance recruiting of the local law enforcement community through a variety of methods.
-  **Strengthen Examiner Capabilities:** Work with local and national organizations to enhance training opportunities for examiner enrichment.
-  **Consolidate Systems and Reduce the Number of Disparate Networks:** Pending the release of new headquarters Digital Crime Analysis Position (DCAP) system, work to reduce redundancies of existing networks.
-  **Increase RCFL Utilization by Participating Agencies:** Work to foster LEB relationships and increase understanding of laboratory practices and service offerings to increase overall usage by participating agencies.

individuals whom he believed he had recruited to his group where he provided instructions for the robbery of an armored car. While en route to conduct the armored car robbery, Talbot was arrested and taken into custody by the FBI Houston Division Special Weapons and Tactics Team. The GHRCL supported the investigation.



HEART OF AMERICA RCFL

www.rcfl.gov/heart-of-america

Year Opened: 2003

Laboratory Director: SSA Lou Ann Stovall, FBI

Service Area: Kansas and the Western two-thirds of Missouri

Number of Agencies in Area: 867

Accredited Since: 2007



PARTICIPATING AGENCIES

- › Clay County, Missouri Sheriff's Office
- › FBI—Kansas City Division
- › Gladstone, Missouri Police Department
- › Grandview, Missouri Police Department
- › Independence, Missouri Police Department
- › Johnson County, Kansas Sheriff's Office
- › Kansas Bureau of Investigation (KBI)
- › Kansas City, Kansas Police Department
- › Kansas City, Missouri Police Department
- › Lawrence, Kansas Police Department
- › Lee's Summit, Missouri Police Department
- › Lenexa, Kansas Police Department
- › Missouri State Highway Patrol
- › North Kansas City, Missouri Police Department
- › Olathe, Kansas Police Department
- › Overland Park, Kansas Police Department
- › Platte County, Missouri Sheriff's Office
- › Shawnee County, Kansas Sheriff's Office
- › Topeka, Kansas Police Department
- › U.S. Attorney's Office—District of Kansas
- › U.S. Attorney's Office—Western District of Missouri
- › U.S. Department of Agriculture—Office of Inspector General

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

94

Number of agencies that requested assistance
(9 federal, 7 state, 78 local)

4

Number of times personnel testified in court

523

Number of service requests received
(145 federal, 34 state, 344 local)

335

Number of TBs processed during
examinations and searches

515

Number of examinations and
searches completed

24

Number of cases supported
by on-site operations

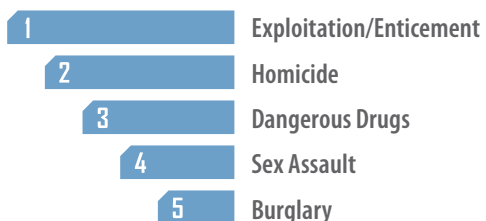
74

Number of law enforcement
officers trained in various digital
forensics tools and techniques

2,858

Kiosk Usage—Total number of times law
enforcement personnel used the RCFL's
self-service digital forensics tools
(CPIK: 1,113; LMK: 250; Virtual CPIK: 1,495)

TOP 5 CRIMES



NOTABLE NEWS

Training Prosecutors: On October 23, 2013, the Heart of America RCFL (HARCFL) sponsored its 3rd Digital Forensics for Prosecutors Conference at the RCFL. Participants from Kansas and Missouri attended the day-long event.







The HARCFL's 3rd annual Prosecutors Conference

Protecting the Community—Airport Suicide Bombing

Foiled: On December 13, 2013, a 58-year-old avionics technician allegedly moved forward with a plot to detonate explosives at the Wichita mid-Continent Airport. The suspect was arrested after he attempted to enter the airport tarmac and deliver a vehicle loaded with what he believed to be high explosives. He had been under investigation since the summer of 2013 and now faces three federal charges: one count of trying to use a weapon of mass destruction, one count of attempting to damage property and one count of attempting to provide material support to a designated foreign terrorist organization. The HARCFL provided assistance with the digital evidence and supported the investigation conducted by the Wichita FBI Joint Terrorism Task Force which included members from the FBI, Sedgwick County Sheriff's Office and the Kansas Highway Patrol. The investigation is ongoing.

Killings Outside Jewish Facility: The HARCFL supported the investigation of a white supremacist who has said he was targeting Jewish people when he allegedly took the lives of three non-Jews, including a 14-year-old boy outside a Jewish facility on April 13, 2013. The subject was charged with capital murder in the shooting deaths of Terri LaManno, 53, William Lewis Corporon, 69, and Reat Griffin Underwood, 14. He made a statement to the media that

PULSE CHECK: STATUS OF FY14 GOALS





-  **Grow the Ranks:** Fully staffed the Topeka Transitional RCFL with five examiners.
-  **Host New Forensics Conference:** HARCFL's first Digital Forensics for Investigators Conference was held early in FY15 with approximately 200 attendees.
-  **Enhance Training:** A video retrieval class was developed and taught at the FY15 Investigator's Conference.
-  **Expand Certifications:** The number of MAC-Light and UNIX Certified Examiners was not expanded due to headquarters budget restrictions on advanced classes.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY15

-  **Obtain CART Certifications:** Ensure three Forensic Examiners in Training (FET) assigned to the HARCFL Topeka Transitional RCFL and one FET assigned to the HARCFL are certified.
-  **Mobile Lab:** Obtain and utilize an FBI CART Mobile Lab for on-site operations.
-  **Grow the Staff:** Recruit at least two new Forensic Examiners to backfill vacancies.
-  **Continue Outreach to Law Enforcement.**

he wanted to kill Jews when he undertook the attacks. In addition to capital murder, the subject is charged with three counts of attempted first-degree murder for allegedly shooting at but missing three other people. The suspect is also charged with single counts of aggravated assault and discharging a firearm into an occupied building. The HARCFL provided assistance with the digital media in this investigation. The trial is scheduled for August 2015.



INTERMOUNTAIN WEST RCFL

www.rcfl.gov/intermountain-west

Year Opened: 2004

Laboratory Director: SSA Cheney Eng-Tow

Service Area: Utah, Idaho and Montana

Number of Agencies in Area: 430

Accredited Since: 2008



PARTICIPATING AGENCIES

- › Ada County, Idaho Sheriff's Office
- › Billings, Montana Police Department
- › Boise City, Idaho Police Department
- › Davis County, Utah Sheriff's Office
- › FBI—Salt Lake City Division
- › Salt Lake City, Utah Police Department
- › Sandy City, Utah Police Department
- › Utah Attorney General's Office
- › Utah Department of Public Safety
- › West Valley City, Utah Police Department

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

83

Number of agencies that requested assistance
(7 federal, 20 state, 56 local)

3

Number of times personnel testified in court

385

Number of service requests received
(103 federal, 62 state, 220 local)

420

Number of TBs processed during
examinations and searches

415

Number of examinations and
searches completed

17

Number of cases supported
by on-site operations

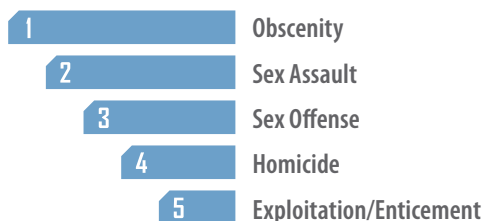
153

Number of law enforcement
officers trained in various digital
forensics tools and techniques

663

Kiosk Usage—Total number of times law
enforcement personnel used the RCFL's
self-service digital forensics tools
(CPIK: 500; LMK: 163)

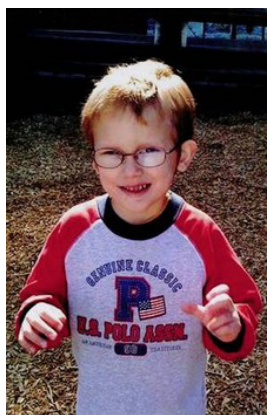
TOP 5 CRIMES



NOTABLE NEWS

Case Update (FY12)—Lengthy Sentences in Ethan Stacey

Case: In 2010, 4-year old Ethan Sloop was severely abused by his mother and stepfather and died as a result. They disfigured Ethan's face and teeth with a hammer and buried his body in the mountains. His remains were found in a shallow grave shortly thereafter. In 2014, both subjects plead guilty to murder. Stephanie Sloop received 20 years to life sentence and Nathan Sloop received 25 years to life sentence. The Intermountain West RCFL (IWRCL) provided digital forensics expertise to investigators to aid in the prosecution of the case.



Ethan Stacy

Protecting the Community—Serial Rapist to Spend





Life in Prison: Toby Griego, a serial rapist who terrorized the Billings, MT area, was sentenced to life in prison without the possibility of parole. Because Griego cleaned crime scenes and forced victims to bathe to remove physical evidence, digital evidence in this case was crucial for the prosecution. An IWRCL examiner was able to locate a hidden video on the subject's cell phone which captured a shot of his face and a victim. The video's discovery was essential to the subject being found guilty and the IWRCL examiner received a meritorious service award from his agency for his efforts on the case.

Public Corruption: In an ongoing investigation involving two former Utah Attorneys General (AG) and their activities while in office, digital evidence items are proving critical in the case. The two AGs are accused of trading favors and access to rich businessmen and improperly accepting money, golf excursions, and rides on private planes and a luxury houseboat. The IWRCL is assisting with the investigation that involves numerous digital evidence items which are critical to the prosecution's case in proving elements of the crime. At the time of writing this report, the investigation remains active and more criminal charges could be brought.

Digital Evidence Assisting in Police Officer Shooting:

In an ongoing investigation into the shooting of two Utah law enforcement officers (one of whom was killed), digital evidence from the dashcam of the murdered officer was

PULSE CHECK: STATUS OF FY14 GOALS





-  **Gain CART Certifications:** Three Forensic Examiners in Training (FET) became certified Forensic Examiners.
-  **Expand Certification:** Advanced training was not available during FY14; however the IWRCL was able to send one examiner to Forensic Audio Video Program (FAVP) Training.
-  **Complete Deployment of State/Local Review Network:** The Digital Crime Analysis Position (DCAP) is operational and being used by the IWRCL. The IWRCL is working with its participating agencies to implement Case Agent Investigative Review (CAIR) using DCAP.
-  **Implement New Case Management/Evidence Control System:** The IWRCL continues to evaluate COTS alternatives and the Digital Evidence Management System (DEMS) which is scheduled to come online in the near future.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY15

-  **Implement New Case Management/Evidence Control System:** This system will help improve laboratory efficiency.
-  **Increase Staffing:** Bring two new Forensic Examiners in Training (FET) onboard and get one FET certified as a Forensic Examiner.
-  **Update Archive System:** Transition to tape archival system.
-  **Expand Advanced Certification:** Increase advanced examiner certifications.

submitted to the IWRCL for analysis and enhancement which was used to help determine the shooter's identity. The primary subject was wounded in the shoot-out and later died in the hospital, but his girlfriend has been charged with murder and is currently on trial for those charges.



KENTUCKY RCFL

www.rcfl.gov/kentucky

Year Opened: 2006

Laboratory Director: Lieutenant Michael Haag, Louisville Metro Police Department

Service Area: State of Kentucky

Number of Agencies in Area: 420

Accredited Since: 2009



PARTICIPATING AGENCIES

- > FBI—Louisville Division
- > Jefferson County Sheriff's Office
- > Kentucky State Police
- > Louisville Metro Police Department
- > Office of the Attorney General
- > University of Louisville

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

28

Number of agencies that requested assistance
(5 federal, 1 state, 22 local)

2

Number of times personnel testified in court

264

Number of service requests received
(175 federal, 26 state, 63 local)

153

Number of TBs processed during
examinations and searches

145

Number of examinations and
searches completed

7

Number of cases supported
by on-site operations

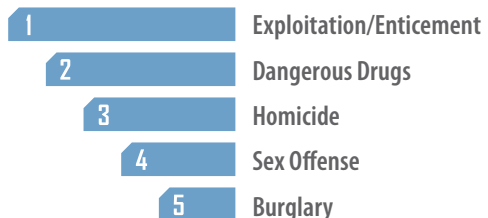
190

Number of law enforcement
officers trained in various digital
forensics tools and techniques

805

Kiosk Usage—Total number of times law
enforcement personnel used the RCFL's
self-service digital forensics tools
(CPIK: 587; LMK: 218)

TOP 5 CRIMES



NOTABLE NEWS

Achieved ASCLD/LAB International Accreditation: The Kentucky RCFL (KRCFL) achieved ASCLD/LAB-International accreditation on May 29th, 2014.





Supported Healthcare Fraud Case: The KRCFL supported a case involving two individuals whose companies submitted false and fraudulent claims totaling approximately \$4 million to Medicare Services for products that were not authorized and were not provided to patients. The KRCFL supported the execution of the search warrant and imaged computers on-site and then conducted forensic examinations on the digital evidence. The individuals were indicted in 2011, but sentenced in January 2014 to 54 months in prison and ordered to pay nearly \$2 million in restitution.

Kentucky Doctor Charged in Death of Patient: The KRCFL assisted authorities in a case involving a Monroe County, Kentucky physician who allegedly prescribed pain medications outside the course of professional medical practice, which resulted in the death of a patient. The KRCFL supported the execution of the search warrant, imaged computers on-site, and extracted evidentiary data. If convicted, the physician faces 20 years to life in prison, and a fine of up to \$2.5 million, and three years of supervised release.

Judge Sentenced in Kickback Scheme: The KRCFL supported a case involving Judge-Executive Tim Conley, who solicited and accepted over one hundred thousand dollars in illegal kickbacks from a bridge contractor. In a plea agreement, Conley pled guilty to one federal charge of mail fraud and was sentenced to 87 months in prison. The KRCFL executed the search warrant and imaged computers on-site and then conducted a forensic examination on the digital evidence.

Supported National Security Investigation: The KRCFL provided digital forensics assistance in the case against a couple for allegedly selling \$37 million of sophisticated technology used in satellite and missile circuitry to China. This type of technology could help the Chinese government in the buildup of its military and is illegal under U.S. law. Members of the public that have information about the transfer of technology, physical components, weapons, or other items that are protected by export controls should immediately report this information to the FBI.

PULSE CHECK: STATUS OF FY14 GOALS




-  **Achieve ASCLD/LAB International Accreditation:** The KRCFL achieved ASCLD/LAB-International accreditation in May 2014.
-  **Increase Remote Review Access by State and Local Agencies:** The KRCFL increased the number of agencies capable of remote review and continues efforts to increase that number.
-  **Increase Liaison with Prosecutors:** The KRCFL continued to work with federal prosecutors on an individual basis but was not able to host a group question and answer session as planned.
-  **Redesign the Website:** The KRCFL did not redesign its website in FY14. It will be updated during FY15.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY15

-  **Promote Outreach and Training:** The KRCFL plans to work with the Kentucky Department of Criminal Justice and other agencies to offer more training opportunities to law enforcement and provide presentations showcasing the capabilities of the KRCFL.
-  **Maintain Staffing Levels:** Recruit additional personnel to fill vacancies created in 2014.
-  **Increase Remote Review Capabilities:** Increase the number of state and local law enforcement agencies and investigators that have the ability to review their examination results remotely.



MIAMI VALLEY RCFL

Years of Operation: 2005–2014

Laboratory Director: SA David Barnes, FBI until January 2014
SA Thomas J. Bintz, Jr., FBI, from January 2014—end of FY14

Service Area: North Illinois

Number of Agencies in Area: 198

PARTICIPATING AGENCIES

- › Dayton Police Department
- › FBI—Cincinnati Division, Dayton Resident Agency
- › Miami Valley Regional Crime Laboratory

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

31

Number of agencies that requested assistance
(2 federal, 1 state, 28 local)

3

Number of times personnel testified in court

258

Number of service requests received
(164 federal, 1 state, 93 local)

138

Number of TBs processed during
examinations and searches

165

Number of examinations and
searches completed

11

Number of cases supported
by on-site operations

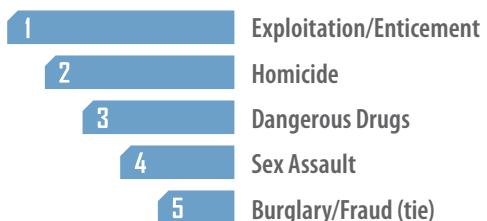
16

Number of law enforcement
officers trained in various digital
forensics tools and techniques

795

Kiosk Usage—Total number of times law
enforcement personnel used the RCFL's
self-service digital forensics tools
(CPIK: 606; LMK: 189)

TOP 5 CRIMES



NOTABLE NEWS

FBI Special Agent David Barnes retired in January 2014. SA Barnes served as the Miami Valley RCFL (MVRCL) laboratory director since it was established in 2005.



Former FBI Special Agent in Charge of the Cincinnati Division Kevin R. Cornelius thanks SA David W. Barnes for his years of dedication and service to the MVRCL.

Relocation of Lab: After nearly a decade serving the Southern Ohio region, the MVRCL closed on September 30, 2014 and is reallocating its resources to the Boston area. The laboratory contributed to a number of high-profile cases over the years and would like to thank the staff and participating agencies who contributed to its success.

Case Update (FY13)—240 Year Sentence for Prolific Child Pornographer:


James O. Napier was found guilty in May 2014 on nine counts of production of child pornography along with one count each of transportation of child pornography, distribution of child pornography, and receipt of child pornography. He was sentenced to serve 240 years in prison for producing child pornography involving an 11-month-old infant and an approximately 9-year-old child. During the trial, MVRCL examiners provided a day and a half of testimony regarding cell phone and computer evidence. Napier's case was brought as part of Project Safe Childhood, a nationwide initiative designed to protect children from online exploitation and abuse. Led by United States Attorneys' Offices and DOJ's Criminal Division's Child Exploitation and Obscenity Section, Project Safe Childhood marshals federal, state and local resources to better locate, apprehend and prosecute individuals who exploit children via the Internet, as well as to identify and rescue victims. For more information about Project Safe Childhood, please visit <http://www.justice.gov/psc/>.





Protecting the Community—Dayton Veterans Affairs (VA)

Shooter Sentenced: In a May 2014 shooting, Neil Moore, a former VA employee, entered a break room at the Dayton VA Medical Center and pointed a gun at several employees. A struggle ensued and one employee was shot in the ankle. Moore then pointed the gun at another employee before fleeing. The VA Medical Center was placed on lockdown as SWAT teams cleared the building. After his subsequent arrest, Moore accepted a plea agreement and was sentenced to five-and-a-half years in prison. The MVRCL provided technical assistance to the Dayton Police Department and the VA by conducting digital video recording extraction and

PULSE CHECK: STATUS OF FY14 GOALS

 **Promote Self-Service Kiosks:** The MVRCL was not able to provide in-person training on the LMK and CPIK. Instead, MVRCL staff actively promoted the use of the LMK and CPIK by e-mail and in day to day interactions with the FBI's Cincinnati Division personnel. As a result, total use of the LMK and CPIK increased dramatically from the previous fiscal year.

 **Increase Use of Examiner Net:** In February 2014, all lab personnel received additional training from the regional system administrator regarding the use of Examiner Net. Case Agent Investigative Review (CAIR) was promoted but lab personnel were unable to provide training to the division. As a result, use of CAIR through Examiner Net increased throughout the remainder of FY14, but not to the expected level.

 **Increase Training for Local Agencies:** The MVRCL could not find a suitable solution to providing training outside the MVRCL space. Instead, the MVRCL focused on updating existing training resources such as software and training laptops.

 Goal Met

 Partially Met

 Not Met

assisting investigators with viewing the results. The extracted video corroborated witness statements and provided an accurate timeline of the shooting incident, resulting in Moore accepting the plea agreement.

Closure in Dayton Bus Driver Investigation: In a case that made national news, a bus driver for the Dayton Regional Transportation Authority (RTA) reported that he was shot and assaulted when he got out of his bus to check on a problem. The driver indicated his life was saved when bullets aimed for his chest struck a religious text in his pocket. The case was initially investigated as a hate crime due to the alleged victim stating he was likely jumped as a part of a gang initiation that involved killing a white person. The MVRCL provided technical assistance to the Dayton Police Department and the Greater Dayton RTA by conducting digital video recording extraction and assisting investigators with viewing the results. The surveillance video provided important timeline information that later refuted testimony from the alleged victim. The timeline analysis, along with additional forensic evidence, resulted in the Dayton Police Department concluding that he fabricated the incident. Local prosecutors declined to charge him with a crime.



NEW JERSEY RCFL

www.rcfl.gov/new-jersey

Year Opened: 2004

Laboratory Director: SSA Ronald E. Menold II, FBI

Service Area: The State of New Jersey

Number of Agencies in Area: 526

Accredited Since: 2006



PARTICIPATING AGENCIES

- › Essex County Prosecutor's Office
- › FBI—Newark Division
- › Mercer County Prosecutor's Office
NEW
- › Middlesex County Prosecutor's Office
NEW
- › Monmouth County Prosecutor's Office
- › New Jersey Division of Criminal Justice
- › New Jersey Office of the Attorney General
- › New Jersey State Police

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

43

Number of agencies that requested assistance
(2 federal, 10 state, 31 local)

5

Number of times personnel testified in court

470

Number of service requests received
(206 federal, 170 state, 94 local)

227

Number of TBs processed during
examinations and searches

423

Number of examinations and
searches completed

73

Number of cases supported
by on-site operations

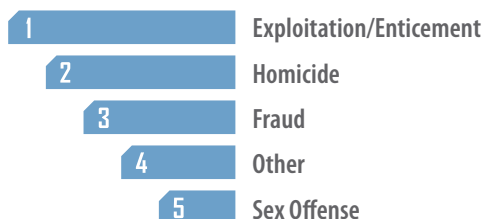
168

Number of law enforcement
officers trained in various digital
forensics tools and techniques

257

Kiosk Usage—Total number of times law
enforcement personnel used the RCFL's
self-service digital forensics tools
(CPIK: 193; LMK: 64)

TOP 5 CRIMES






NOTABLE NEWS

Supported Money Laundering/Extortion Case: The New Jersey RCFL (NJRCFL) assisted in the case against Salvatore LaGrasso, a former supervisor on the New Jersey piers, who had previously plead guilty to conspiring to extort Christmastime tributes from the union members. This was count three of the second superseding indictment against him. LaGrasso admitted he and others conspired to compel tribute payments from union members who made the payments based on actual and threatened force, violence, and fear. LaGrasso was sentenced to twelve months in prison with a two year supervised release. Charges are still pending against three defendants in the superseding indictment.

Protecting Children—Police Captain and Local Columnist Sentenced for Child Porn Charges: Michael Grennier, a former South Plainfield police captain and computer forensics specialist, was sentenced to 20 years for paying a minor girl to live-stream sexually explicit acts via the Internet. He will also serve supervised release for life and be required to register as a sex offender. In a linked investigation, a local writer and photographer Jane Dornick, known as “Busy Busy Mom” in a column she penned, was sentenced to 30 years in prison after pleading guilty to one count of sexual exploitation of a child, for coercing and using a minor female to perform sexually explicit acts, and live stream them over the Internet to Grennier. In addition to her prison term, she was sentenced to a lifetime supervised release. The NJRCFL provided computer forensics support in both investigations.

Racketeering Conviction: The NJRCFL provided forensic support in a case involving the Lucchese organized crime family of the Philadelphia La Cosa Nostra (LCN) in connection with the criminal takeover of a FirstPlus Financial Group (FPFG), a publicly held mortgage lender based in Texas that resulted in honest FPFG shareholders losing at least \$12 million. Four members of the conspiracy were convicted of several offenses, including racketeering conspiracy. They include—Nicodemo S. Scarfo, a member of the Lucchese crime family and son of Nicodemo Scarfo Sr., the imprisoned former boss of the Philadelphia LCN crime family; Salvatore Pelullo, an associate of the Lucchese and Philadelphia LCN families; William Maxwell, a Texas lawyer; and John Maxwell, who acted as the nominal CEO of the failed business.

PULSE CHECK: STATUS OF FY14 GOALS




-  **Increase the Number of Participating Agencies:** Two new participating agencies joined the NJRCFL during FY14.
-  **Grow the Staff:** While two examiners rotated back to their home agencies, five new examiners were added to the NJRCFL roster.
-  **Expand Examiner Capabilities:** All examiners were trained in a new forensic tool which enhances the cadre of tools available to the laboratory for review and examination of evidence.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY15

-  **Grow the Ranks:** Increase the number of examiners assigned to the NJRCFL.
-  **Expand Examiner Capabilities:** Expand the number of tools in which the laboratory examiners are trained.
-  **Increase Network Storage:** Increase the amount of storage available on the forensic network for examinations.



NEW MEXICO RCFL

www.rcfl.gov/new-mexico

Year Opened: 2011

Laboratory Director: SSA Mary Adkins, FBI

Service Area: The State of New Mexico

Number of Agencies in Area: 135

Accredited Since: 2014



PARTICIPATING AGENCIES

- › Albuquerque Police Department
- › Bernalillo County Sheriff's Office
- › FBI—Albuquerque Division
- › Homeland Security Investigations
- › New Mexico State Police Department
- › Rio Rancho Police Department
- NEW
- › U.S. Fish & Wildlife Service, Office of Law Enforcement
- › University of New Mexico

TOP 5 CRIMES

- 1 Exploitation/Enticement
- 2 Homicide
- 3 Dangerous Drugs
- 4 Fraud
- 5 Embezzlement

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

36

Number of agencies that requested assistance (6 federal, 11 state, 19 local)

250

Number of law enforcement officers trained in various digital forensics tools and techniques

26

Number of cases supported by on-site operations

257

Number of service requests received (111 federal, 33 state, 113 local)

4

Number of times personnel testified in court

309

Kiosk Usage—Total number of times law enforcement personnel used the RCFL's self-service digital forensics tools (CPIK: 277; LMK: 32)

231

Number of examinations and searches completed

225

Number of TBs processed during examinations and searches

NOTABLE NEWS

Achieved ASCLD/LAB International Accreditation:

The New Mexico RCFL (NMRCL) achieved ASCLD/LAB-International accreditation on April 25, 2014.

Protecting Children—Lengthy Sentence for Child

Pornographer: Antonio Gutierrez was sentenced to 30 years

in prison with five-year supervised release and ordered to pay restitution to the victim in the amount of \$14,060 for inducing a minor to engage in sexually explicit conduct for the purpose of producing child pornography. Gutierrez provided a cell phone to a minor living in his home, and in exchange for increasingly sexually explicit photographs, provided monthly cell phone service. In November 2011, after the victim reported Gutierrez's unlawful conduct to the Albuquerque Police

Department, officers executed a search warrant at Gutierrez's residence and seized computers, computer-related media, and cell phones. A subsequent forensic examination of Gutierrez's personal computer conducted by the NMRCFL revealed many sexually explicit photographs, including sexually explicit photographs of the victim taken by Gutierrez. The NMRCFL examiner in the case prepared a timeline of events that tied the subject to the produced images and testified at the trial.

"Few crimes that the FBI investigates are as heartbreaking as the production of child pornography. We hope this verdict sends a clear signal to anyone who would endanger our children's innocence by committing this crime: we are looking for you, we will find you, and we will make sure you are prosecuted to the fullest extent of the law. I thank the FBI special agents and New Mexico Regional Computer Forensics Lab staff who worked so diligently on this case, along with the Albuquerque Police Department."

- FBI Special Agent in Charge Carol K.O. Lee

Youth Mentor Sentenced in Child Porn Case:

Carl Weatherman, a big brother in the youth mentoring program, Big Brothers Big Sisters, was sentenced to 188 months in prison and a lifetime of supervised release for child pornography charges relating to a minor he was mentoring. Forensic examination of digital evidence by the NMRCFL proved critical in the case and helped undercut the defendant's arguments at sentencing that he was not sexually interested in children. The NMRCFL examiner also located images of child pornography on the digital evidence which proved the receipt and possession of child pornography.

Scientist Sentenced: Jianyu Huang, a scientist formerly employed by Sandia Corporation at Sandia National Laboratories, a government-owned research facility operated by Sandia Corporation for the U.S. Department of Energy (DOE) National Nuclear Security Administration was sentenced to a term of one year and a day for the crimes of making a false statement within the jurisdiction of the DOE and unlawfully transporting stolen government property in interstate and foreign commerce. The NMRCFL located evidence that determined that Huang connected a U.S. Government laptop to Chinese networks during his trip overseas and that DOE files were accessed prior to and during his trip to China. In addition, the NMRCFL located incriminating email communication between Huang and Chinese scientists.

PULSE CHECK: STATUS OF FY14 GOALS

- ✓ **Achieve ASCLD/LAB Accreditation:** The NMRCFL received ASCLD/LAB-International accreditation during FY14.
- ✓ **Increase Training Offered to Agencies in the Region:** During FY14, the NMRCFL offered training to federal, state and local partners to include cellular analysis, OS-specific training, and Cell Phone and Loose Media Kiosk training. Several participating agencies utilized the training room. Additionally, NMRCFL staff introduced computer forensics to high school students around the state of New Mexico.
- ✓ **Expand Participation:** The Rio Rancho Police Department joined the NMRCFL during the year

✓ Goal Met

Partially Met

Not Met

GOALS FOR FY15

- 🎯 **Maintain Minimal Backlog:** Maintain "no backlog" status in FY15.
- 🎯 **Enhance Laboratory Capabilities:** Enhance the NMRCFL's capabilities with JTAG and Audio/Video Certified Examiners.
- 🎯 **Annual Audit:** Conduct an annual internal audit of the NMRCFL.
- 🎯 **Training:** Provide training to our federal, state and local partners.



The NMRCFL hosts a variety of events during the course of the year. In this photo, FBI SAC Carol K.O. Lee is addressing the Citizen's Academy at the NMRCFL.



NORTH TEXAS RCFL

www.rcfl.gov/north-texas

Year Opened: 2000

Laboratory Director: SSA Allyn Lynd, FBI

Service Area: All of North Texas, including Dallas-Fort Worth

Number of Agencies in Area: 573

Accredited Since: 2004



PARTICIPATING AGENCIES

- › Dallas Police Department
- › FBI—Dallas Division
- › Garland Police Department
- › Grand Prairie Police Department
- › Plano Police Department

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

54

Number of agencies that requested assistance
(3 federal, 6 state, 45 local)

6

Number of times personnel testified in court

520

Number of service requests received
(218 federal, 8 state, 294 local)

25

Number of cases supported by on-site operations

421

Number of examinations and searches completed

410

Number of TBs processed during examinations and searches

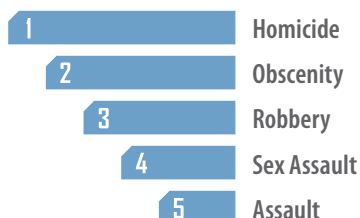
95

Number of law enforcement officers trained in various digital forensics tools and techniques

122

Kiosk Usage—Total number of times law enforcement personnel used the RCFL's self-service digital forensics tools (CPIK: 61; LMK: 61)

TOP 5 CRIMES







NOTABLE NEWS

ASCLD/Lab Re-accreditation: The North Texas RCFL (NTRCFL) was re-accredited by ASCLD/LAB ISO in September 2014. A decade ago in 2004, the North Texas RCFL was the first RCFL to achieve ASCLD/LAB Accreditation.

Case Update (FY13)—Death Sentence in Kaufman County Murders: In the case involving the murders of a Kaufman County Assistant District Attorney (DA), a DA and the DA's wife, Eric and Kim Williams were found guilty and sentenced. Eric Williams was found guilty of capital murder and sentenced to death, and his wife Kim, an accomplice in the crime, plead guilty in exchange for a 40-year sentence. The NTRCFL played multiple key roles in the murder investigation.

Military Translator Sentenced in Relation to International Terrorism Charges: In March 2013, an NTRCFL examiner assisted case agents in the execution of a search warrant on a former U.S. military translator's home. At the time, the subject was charged in a two-count indictment with providing false statements to an FBI agent. The subject was suspected of providing sensitive U.S. military information to the enemy in Afghanistan where she worked as a U.S. military translator from 2005 until 2012. Multiple laptop computers, thumb drives, hard drives, and other electronic media were seized. The examiner expeditiously processed the images to the RCFL's Review system so agents could review the material. Within weeks, agents identified numerous sensitive U.S. military documents on the subject's devices; the forensic examination revealed the subject likely passed sensitive information to individuals in Afghanistan. As a direct result of the examiner's work, in August 2013, the subject was charged in a nine count indictment. Due in large part to the forensic examination of the subject's electronic media, the subject entered into plea negotiations and pled guilty to theft of government property, wire fraud, forging a military pass, and false statements. On November 5, 2014, the subject was sentenced to 37 months imprisonment which was the maximum sentence under the advisory guidelines. The judge noted that if the subject had not entered a plea, she would have sentenced her to a term well above the guidelines, as her conduct appeared to "border on treason." The evidence the court considered in making these findings was derived primarily from the forensic analysis of the subject's electronic media.

PULSE CHECK: STATUS OF FY14 GOALS

-  **Reduce the Backlog:** Backlog at the NTRCFL was reduced from the previous fiscal year.
-  **Increase Training for Local Agencies:** Made contact with training academies for state and local law enforcement and offered classes. Provided off-site training to several hundred additional law enforcement and court personnel in the NTRCFL service area.
-  **Add Additional Participating Agency:** Successfully recruited two new participating agencies. Both agencies will be joining the NTRCFL in FY15.
-  **Support the Continuation/Completion of Examiner Training:** Three Forensic Examiners in Training (FET) completed training and are expected to complete CART certification during FY15.



Goal Met







Partially Met



Not Met

GOALS FOR FY15

-  **Facility Planning:** Work toward planning, organizing and executing a move to a new facility.
-  **Grow the Staff:** Hire one additional FBI employee. Train two new TFOs and a new hire.
-  **Enhance System Administration Support:** Bring a new System Administrator on board.
-  **Enhance New Examiner Training:** Obtain specialty training for new examiners.

Expedited Exam Leads to Immediate Incarceration for Child Porn Suspect: Dallas Police Department submitted a laptop requesting an expedited examination of the device to help facilitate resolution to a pending criminal charge. The device was quickly imaged and examined for evidence of child pornography. This type of expedited examination of the device was not available at the local agency level. The quick examination allowed the Dallas County District Attorney to obtain a guilty plea resulting in the immediate incarceration of the suspect.



NORTHWEST RCFL

www.rcfl.gov/northwest

Year Opened: 2005

Laboratory Director: SSA Jennifer C. Burnett, FBI

Service Area: Oregon and Southwest Washington

Number of Agencies in Area: 109

Accredited Since: 2008



PARTICIPATING AGENCIES

- › Beaverton Police Department
- › Canby Police Department NEW
- › Clackamas County Sheriff's Office NEW
- › FBI—Portland Division
- › Hillsboro Police Department
- › Multnomah County Department of Community Justice
- › Oregon State Police
- › Portland Police Bureau
- › Washington County Sheriff's Office

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

43

Number of agencies that requested assistance
(5 federal, 6 state, 32 local)

6

Number of times personnel testified in court

221

Number of service requests received
(86 federal, 9 state, 126 local)

145

Number of TBs processed during
examinations and searches

195

Number of examinations and
searches completed

22

Number of cases supported
by on-site operations

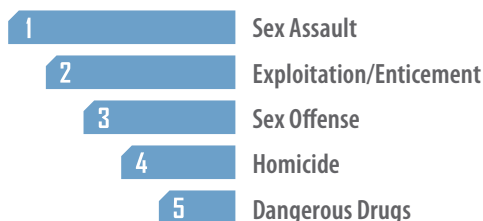
30

Number of law enforcement
officers trained in various digital
forensics tools and techniques

255

Kiosk Usage—Total number of times law
enforcement personnel used the RCFL's
self-service digital forensics tools
(CPIK: 97; LMK: 158)

TOP 5 CRIMES



NOTABLE NEWS

Achieved ASCLD/LAB International Accreditation: On February 28, 2014, the Northwest RCFL (NWRCL) attained ASCLD/LAB-International accreditation in digital and multimedia evidence.

"The Northwest RCFL's achievement of ASCLD/LAB international accreditation with zero findings is quite rare, as approximately two percent of labs have received no findings."

- John Neuner, Executive Director of ASCLD/LAB

Protecting the Community— NWRCL Defeats Encryption in Sexual Abuse/Rape Case:





Yusuf Dahir Sheikh-Nur was sentenced to 501 months in prison for rape and sexual abuse of several women, including a 15-year-old girl, which occurred ten days after he was released from jail for a separate offense. Several victims had disclosed that Sheikh-Nur had sexually assaulted them or attempted to assault them while they were walking down the street. The victims had never met Sheikh-Nur and the attacks were random. The NWRCL defeated encryption on a password protected iPhone and found a video of the subject perpetrating the criminal activity. An RCFL examiner testified at the trial to the video and browsing history that was discovered.



Protecting our Troops—Six Plead Guilty to Conspiracy

Charges: In July 2014, the owner of Kustom Products, Inc. (KPI) and five employees pled guilty in federal court to conspiracy to defraud the US, 18 U.S.C. Section 371. They were subsequently sentenced and ordered to pay \$5 million in restitution with five receiving prison sentences. The defendants' scheme involved providing counterfeit and defective parts to the Department of Defense (DOD) from approximately 2006-2010. The parts were considered essential to weapons systems performance or operation, or to preserve the life and safety of military personnel. Six agencies participated in the investigation of KPI. Two forensic examiners were assigned to the KPI case which

PULSE CHECK: STATUS OF FY14 GOALS





-  **Achieve ASCLD/LAB International accreditation:** The NWRCL was granted ASCLD/LAB-International accreditation during FY14.
-  **Add One Additional Participating Agency:** The NWRCL surpassed this goal and added two new member agencies in FY14: Clackamas County Sheriff's Office and Canby Police Department.
-  **Increase the Number of Audio-Video Examiners:** One examiner was accepted into the Audio-Video program in FY14 and began training to conduct examinations.
-  **Redesign the NWRCL Website:** The website was redesigned in-house, however not implemented because it was determined that all websites would be migrated to the new RCFL.gov website to be uniform with other RCFLs.

 Goal Met

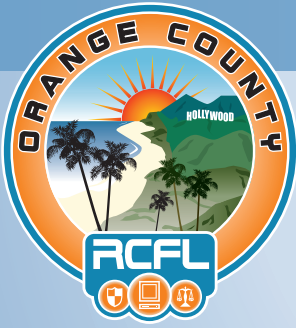
 Partially Met

 Not Met

GOALS FOR FY15

-  **Continue Recruiting Efforts:** Recruit at least one new agency.
-  **Improve Efficiency:** Successfully implement a new Evidence and Case Management System.
-  **Promote use of Self-Service Kiosks:** Encourage usage of physical kiosks through advertising, training and policy changes.
-  **Increase Productivity:** Increase the use of CAIR for local, state and federal cases.

involved processing more than seven TB data across approximately thirty computers to include a UNIX server. The examination of digital media found evidence that KPI provided altered and modified documents to the DOD.



ORANGE COUNTY RCFL

www.rcfl.gov/orange-county

Year Opened: 2011

Laboratory Director: SSA Christopher Pluhar, FBI

Service Area: Central District of California

Number of Agencies in Area: 252

Accredited Since: 2014



PARTICIPATING AGENCIES

- ▶ Anaheim Police Department
- ▶ Bureau of Alcohol, Tobacco, Firearms and Explosives **NEW**
- ▶ FBI—Los Angeles Division
- ▶ Fontana Police Department
- ▶ Fullerton Police Department
- ▶ Irvine Police Department
- ▶ Los Angeles County Sheriff's Department
- ▶ Los Angeles Police Department
- ▶ Newport Beach Police Department
- ▶ Ontario Police Department
- ▶ Orange County District Attorney's Office
- ▶ Orange County Sheriff's Office
- ▶ Riverside County District Attorney's Office
- ▶ San Bernardino District Attorney's Office **NEW**
- ▶ Santa Ana Police Department

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

24

Number of agencies that requested assistance
(3 federal, 1 state, 20 local)

5

Number of times personnel testified in court

951

Number of service requests received
(317 federal, 4 state, 630 local)

436

Number of TBs processed during
examinations and searches

688

Number of examinations and
searches completed

47

Number of cases supported
by on-site operations

387

Number of law enforcement
officers trained in various digital
forensics tools and techniques

834

Kiosk Usage—Total number of times law
enforcement personnel used the RCFL's
self-service digital forensics tools
(CPIK: 510; LMK: 324)

TOP 5 CRIMES





The graphic above represents the 15 participating agencies that compose the Orange County RCFL.

NOTABLE NEWS




Digital Evidence Assists in Case Against Serial-Killers: The Orange County RCFL (OCRCFL) assisted in the investigation into a pair of convicted sex offenders that are charged with four counts of special circumstances murder and four counts of forcible rape. GPS technology played a key role in linking the pair to the victims' cell phones in the series of events leading up to the crimes. As of the writing of this report, the subjects remain in custody awaiting trial. Digital evidence extracted by the OCRCFL is expected to be a significant element in this case.

Son Charged in Parents' Murder: The son of a wealthy San Diego couple was accused of murdering his parents and in the attempted murder of his siblings, and then fleeing the state. He was arrested in March 2014 and is awaiting trial as of the date this report was published. Digital evidence, in particular the suspect's cell phone, is expected to be a significant factor in this case.

Supported Health Care Fraud Case: Several subjects pled guilty, with dozens of additional subjects under continuing investigation and plea negotiations, in a case where digital evidence confirmed individuals' involvement in a scheme to provide kickbacks for prescribing and distributing products. Digital evidence allowed case agents to track the kickback schemes through the subjects' documentation. The OCRCFL assisted with the evaluation of digital evidence in this investigation.

Test and Validation Recognition Award: The OCRCFL received recognition from FBI Headquarters for testing and validating a new product that will provide program-wide benefits.

PULSE CHECK: STATUS OF FY14 GOALS




-  **Geographically Enhance/Expand OCRCFL's Capabilities:** FBI CART space at the Riverside Resident Agency was reconfigured to support six examiners. Inland Empire (IE) space is fully operational as of summer 2014. San Bernardino District Attorney's Office joined as a participating agency.
-  **Create/Update CAIR Training:** Provided updated CAIR training to OCDA investigators in FY14. Additional CAIR training will be provided at the OCRCFL in FY15.
-  **Complete Upgrade of Review and Training Room Computers:** Approximately 50% of review room computers were upgraded. There were insufficient funding to complete upgrade to remaining training room computers. Completion is planned for FY15.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY15

-  **Enhance Inland Empire (IE) Presence:** Continue expansion of OCRCFL IE presence and capabilities.
-  **Complete Facility Updates:** Complete review room and training room updates, funding permitting, to enhance the processing and review capabilities for our partners and customers.
-  **Advanced Training:** Pursue OCRCFL sponsored advanced training for examiners and local agencies.



PHILADELPHIA RCFL

www.rcfl.gov/philadelphia

Year Opened: 2006

Laboratory Director: SSA Raymond Manna, FBI

Service Area: Philadelphia and Eastern Pennsylvania

Number of Agencies in Area: 500

Accredited Since: 2009



PARTICIPATING AGENCIES

- › Bucks County (PA) District Attorney's Office
- › Chester County (PA) District Attorney's Office **NEW**
- › Delaware County (PA) District Attorney's Office
- › FBI—Philadelphia Division
- › Montgomery County (PA) District Attorney's Office
- › Philadelphia Police Department

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

26

Number of agencies that requested assistance
(1 federal, 2 state, 23 local)

4

Number of times personnel testified in court

563

Number of service requests received
(325 federal, 2 state, 236 local)

470

Number of TBs processed during
examinations and searches

630

Number of examinations and
searches completed

48

Number of cases supported
by on-site operations

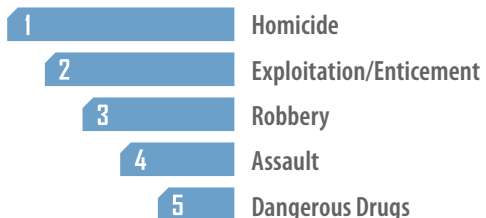
350

Number of law enforcement
officers trained in various digital
forensics tools and techniques

484

Kiosk Usage—Total number of times law
enforcement personnel used the RCFL's
self-service digital forensics tools
(CPIK: 450; LMK: 34)

TOP 5 CRIMES



NOTABLE NEWS

Achieved ASCLD/LAB International Accreditation:

During FY14, the Philadelphia RCFL (PHRCFL) achieved ASCLD/LAB-International accreditation.

Protecting Children: PHRCFL's

examination of digital evidence in a case involving the kidnapping and rape of a 5-year-old girl by former daycare worker, Christina Regusters, was crucial in obtaining a guilty conviction. Regusters impersonated the girl's mother and took her from her school, then proceeded to sexually assault her over a 19-hour period. The PHRCFL's examination of the digital evidence revealed the defendant researched the methods to conduct the kidnapping and sexual assault prior to the commission of the crime. Then, evidence was uncovered revealing the defendant researched methods to cover up the crime. Regusters was convicted on all six charges, including kidnapping and sexual assault of a child.



Christina Regusters




Exigent Evidence Processing Helps Locate Homicide Suspect:

The PHRCFL analyzed several computers on an immediate basis to provide lead information to assist in locating the subject. With the PHRCFL's help, the defendant was captured and is awaiting trial.

Guilty Verdict in Public Corruption Case: In a major public corruption investigation, the PHRCFL assisted in the search and processing of computers, and analyzed data used in the prosecution of former Philadelphia ironworkers' union head, Joseph Dougherty. Dougherty was accused of conspiring with others to commit violent acts against nonunion job sites and workers. He was found guilty on all six counts and was sentenced to 19 years and two months in prison.

Continuous Improvement: The PHRCFL staff created a tool to assist case agents with searching and reviewing forensic examination results. The new tool allows for case agents to quickly search and manage the evidence for further use in prosecution and saves hours of valuable law enforcement officer time in reviewing results. The tool also allows officers to organize their results for future use.

PULSE CHECK: STATUS OF FY14 GOALS




-  **Provide Highest-Quality Forensic Support:** Continued to provide exemplary service to the PHRCFL customers.
-  **Provide High-Quality Training:** Provided training to 350 federal, state and local law enforcement officers.
-  **Operate Efficiently:** Conducted forensic examinations in an efficient and coordinated manner.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY15

-  **Enhance Senior Examiner Training:** Provide additional high quality training to our senior examiners.
-  **Enhance Laboratory Network:** Implement 10 GBPS network to all examiners and all exam machines
-  **Provide Highest-Quality Forensic Support:** Continue to provide exemplary service to the PHRCFL customers.



ROCKY MOUNTAIN RCFL

www.rcfl.gov/rocky-mountain

Year Opened: 2006

Laboratory Director: Lieutenant James Lamont Jensen, Douglas County Sheriff's Office
(During FY14, SSA Sean K. O'Brien, FBI)

Service Area: North Illinois

Number of Agencies in Area: 269

Accredited Since: 2008



PARTICIPATING AGENCIES

- › 18th Judicial District Attorney's Office
- › Adams County Sheriff's Office
- › Arvada Police Department
- › Aurora Police Department
- › Colorado Bureau of Investigation
- › Commerce City Police Department NEW
- › Denver District Attorney's Office
- › Denver Police Department
- › Douglas County Sheriff's Office
- › FBI—Denver Division
- › Jefferson County Sheriff's Office
- › Lakewood Police Department
- › Littleton Police Department
- › Thornton Police Department

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

46

Number of agencies that requested assistance
(2 federal, 2 state, 42 local)

6

Number of times personnel testified in court

236

Number of service requests received
(54 federal, 5 state, 177 local)

180

Number of TBs processed during
examinations and searches

252

Number of examinations and
searches completed

10

Number of cases supported
by on-site operations

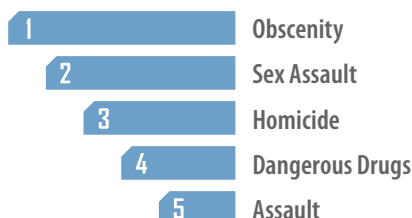
34

Number of law enforcement
officers trained in various digital
forensics tools and techniques

245

Kiosk Usage—Total number of times law
enforcement personnel used the RCFL's
self-service digital forensics tools
(CPIK: 123; LMK: 122)

TOP 5 CRIMES



NOTABLE NEWS

American Jihadist Pleads




Guilty: Shannon Conley was arrested as she attempted to board a plane en route to Syria where she intended to meet members of the Islamic State in Iraq and Syria (ISIS). The case gained national notoriety because Conley was a teenager at the time of her arrest. Conley plead guilty to conspiracy and providing material support to a terrorist organization. She was sentenced to four years in prison; as a part of the plea deal, Conley will help authorities who are investigating others with the same intentions. The Rocky Mountain RCFL (RMRCFL) provided digital forensic support in the investigation.



Shannon Maureen Conley

Protecting Children—Child Exploitation: The RMRCFL conducted a forensic examination of the computers seized from Atrial Felix Rael's home after Colorado investigators identified a local IP address as the source of "at least 183 files of investigative interest" (as contraband) and opened an investigation. Their investigation ultimately disclosed that Rael was trading child pornography files over the internet by use of a peer-to-peer network called Ares. The Douglas County Sheriff's Office arrested Rael and charged him with various related crimes. He pled guilty and accepted a penalty of six years' incarceration. RMRCFL conducted a forensic examination of the computers seized from Rael's home. Laboratory analysis recovered over a thousand contraband photographs and more than 700 videos containing child pornography and bestiality from user-accessible space on the systems. The analyst was able to confirm investigative allegations that: Rael's computer was accessing the Internet from a particular IP address, his computer was configured with the peer-to-peer client for Ares, the Ares software was used to transfer contraband images to client hosts on the peer network, and that the user intentionally saved contraband and files to his computer system and intentionally shared them with other Internet peer traders.

PULSE CHECK: STATUS OF FY14 GOALS

-  **Increase Participation:** The Commerce City Police Department completed a Memorandum of Understanding and joined the RMRCFL as a participating agency.
-  **Increase the Number of Investigators Trained in CAIR:** Provided CAIR training to 34 state, local, and federal personnel.
-  **Increase the Staff:** Due to hiring restrictions imposed as a result of federal budget constraints, efforts to increase staff were unsuccessful. The lab is continuing its efforts to bring staff on board.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY15

-  **Increase the Staff:** Add at least one new staff member to the RMRCFL team.
-  **Select Laboratory Director:** The RMRCFL will be selecting a new Laboratory Director in FY15.

Protecting the Community—Public Corruption

Investigation: Acting on a tip, the FBI opened an investigation with the IRS and other agencies into an alleged abuse of public trust and misappropriation of public funds involving an airport authority. Ten personnel from the RMRCFL, including forensic examiners, forensic examiners in training, and a network specialist supported execution of a search warrant and preservation of evidence in the case. The digital evidence was spread across three adjacent sites and two computer networks. RMRCFL personnel acquired forensic images of 25 devices, imaged a server and coordinated the seizure of another few devices for further work in the laboratory. This investigation is ongoing.



SAN DIEGO RCFL

www.rcfl.gov/san-diego

Year Opened: 1999

Laboratory Director: SSA James Mailloux, FBI

Service Area: San Diego and Imperial Counties

Number of Agencies in Area: 80

Accredited Since: 2008



PARTICIPATING AGENCIES

- › California Highway Patrol
- › Carlsbad Police Department
- › Chula Vista Police Department
- › Coronado Police Department
- NEW
- › Department of Homeland Security—Immigration and Customs Enforcement
- › El Cajon Police Department
- › Escondido Police Department
- › FBI—San Diego Division
- › La Mesa Police Department
- › National City Police Department
- › Naval Criminal Investigative Service
- › Oceanside Police Department
- › San Diego County District Attorney's Office
- › San Diego Harbor Police Department
- NEW
- › San Diego Police Department
- › San Diego Sheriff's Department
- › U.S. Attorney's Office—Southern District of California

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

29

Number of agencies that requested assistance
(11 federal, 2 state, 16 local)

12

Number of times personnel testified in court

728

Number of service requests received
(426 federal, 10 state, 292 local)

590

Number of TBs processed during examinations and searches

615

Number of examinations and searches completed

12

Number of cases supported by on-site operations

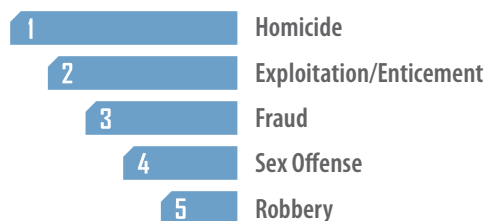
322

Number of law enforcement officers trained in various digital forensics tools and techniques

831

Kiosk Usage—Total number of times law enforcement personnel used the RCFL's self-service digital forensics tools (CPIK: 434; LMK: 397)

TOP 5 CRIMES



NOTABLE NEWS

Protecting the Community—Internet Predator Sentenced to

37 Years: Sean Patrick Banks was convicted of raping two women he met on the dating websites ChristianMingle.com and Match.com. He was convicted of 5 counts, including forcible rape and rape of an unconscious person. Banks was sentenced to 37 years to life in prison. San Diego RCFL (SDRCFL) examiners put in over 250 hours in forensic examination time on multiple exams in support of this investigation. Examiners extracted data from the subject's computer showing stalking and manipulation of the victims by the subject through the online dating services and emails, as well as incriminating web searches. The SDRCL examiner's testimony in the case was critical, as it was thorough and credible to the jury.

Sentencing in Million-Dollar Bank Bribery Case: Four subjects pled guilty in a million-dollar bribery case involving three major banks. Sentences for the defendants will range from 5 to 30 years. The SDRCL performed on-site imaging of four computers and a server, plus examination of the data. Additionally, three more computers and a DVR were submitted for examination. The digital data was critical in the case, showing the discussion and execution of mortgage fraud, bribery, and bank fraud.

Digital Evidence Proves Crucial in Triple Homicide: In a San Diego Mission Valley triple homicide, an engaged couple was shot dead on December 24, 2013. Several weeks later, the brother of one of the victims was found murdered. The SDRCL supported this case and completed 10 service requests: examining nine computers and seven cell phones. SDRCL examiners testified to their examinations in preliminary hearings regarding critical evidence on a cell phone and computer linking the subject to the murders. The main suspect was found not competent to stand trial in November 2014, and is now in state mental hospital for three years or until he is competent to stand trial.



FBI Director James B. Comey visited the San Diego Field Office on September 11, 2014. First row, starting from left, going right: SA Dennis Vollrath, FBI; ITS-FE Mark Gonyea, FBI; ITS-FE Ann Diossa, FBI; SSA James Mailloux, FBI; Director Comey; FE Victoria Homfeld, NCIS; ITS-FE Tim Hamon, FBI; Detective Damon Vander Vorst, Escondido PD; DST Wendy Inman, FBI; ITS-FE Daniel Dandridge, FBI. Back row, starting from left: FE Marion Lowe, Chula Vista PD; Evidence Technician Maureen Anderson, FBI; FE Mark Luque, NCIS; System Administrator Ron Rader, BAE/FBI.

PULSE CHECK: STATUS OF FY14 GOALS

- ✓ **Maintain Quality of Service:** Turnaround time at the SDRCL was reduced during the fiscal year on most types of exams. The RCFL provided key testimony in a number of significant cases.
- ✓ **Continue to Improve the RCFL Training Facility:** The SDRCL completed training room improvements and was fully functional by January 2014. The lab began teaching and hosting additional classes for case agents and forensic examiners.
- ✓ **Complete Lab Improvements:** Lab improvements were made to finish moving in to the new lab space, increasing efficiency and ease of use for the case agents and staff.
- ✓ **Meet Service Request Completion Goal:** Achieved greater than 90% of all requests completed in less than 90 days for the first time in the lab's history.
- ✓ **Increase Audio/Video Support:** One additional Forensic Examiner joined the audio and video examiner training program.

✓ Goal Met

⏸ Partially Met

✗ Not Met

GOALS FOR FY15

- 🎯 **Maintain Quality of Service:** Continue to maintain the forensic services of the laboratory, timeliness, and productivity of the forensic examination process.
- 🎯 **Continue to Develop Training Center:** Further develop the SDRCL as an instructional center for computer forensics and law enforcement training.
- 🎯 **Enhance Staffing:** Fill examiner positions and train new examiners to better support member agencies.
- 🎯 **Meet Service Request Completion Goal:** Continue completion of 90% of the service requests for the SDRCL within a 90-day limit.
- 🎯 **Increase Audio/Video Support:** Increase Audio/Video case agent support.



SILICON VALLEY RCFL

www.rcfl.gov/silicon-valley

Year Opened: 2005

Laboratory Director: SSA Bryant Ling, FBI

Service Area: Alameda, San Francisco, San Mateo, and Santa Clara Counties

Number of Agencies in Area: 125

Accredited Since: 2006



PARTICIPATING AGENCIES

- › Alameda County Sheriff's Office
- › Contra Costa Office of the Sheriff
- › FBI—San Francisco Division
- › Fremont Police Department
- › Newark Police Department
- › Palo Alto Police Department
- › San Francisco Police Department
- › San Jose Police Department
- › San Mateo County Sheriff's Office

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:

42

Number of agencies that requested assistance
(4 federal, 4 state, 34 local)

12

Number of times personnel testified in court

379

Number of service requests received
(206 federal, 4 state, 169 local)

347

Number of TBs processed during
examinations and searches

429

Number of examinations and
searches completed

55

Number of cases supported
by on-site operations

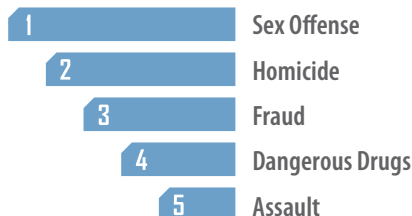
329

Number of law enforcement
officers trained in various digital
forensics tools and techniques

347

Kiosk Usage—Total number of times law
enforcement personnel used the RCFL's
self-service digital forensics tools
(CPIK: 312; LMK: 35)

TOP 5 CRIMES



NOTABLE NEWS

Guilty Verdict for Silk Road Founder: On October 1, 2013, the San Francisco FBI Division assisted with the takedown of the Silk Road web site, where individuals desiring anonymity conducted record numbers of transactions for contraband items, including illegal drugs. Investigators anticipated multiple layers of encryption and obfuscation used by the subject, Ross Ulbricht, and decided the arrest would occur while the subject was using his laptop in order to obtain the decrypted contents. FBI personnel created a diversion to distract the subject in a San Francisco library, and snatched the running laptop away from him when he looked away. Silicon Valley RCFL (SVRCFL) examiners—with the help of a CART Mobile Laboratory—played a critical role in the case, and were able to maintain power to the laptop, identify and avoid traps implemented by the subject, and subsequently preserve the laptop in a decrypted state. Silk Road used the virtual currency, Bitcoin, in its transactions. In 2014, the U.S. Marshals auctioned over \$35 million worth of Bitcoin seized in this case. Ulbricht was ultimately found guilty on all seven counts in connection with his operation and ownership of Silk Road.







Silk Road web page following closure by authorities.

Protecting the Community—Senator Arrested: In an ongoing investigation, California state senator Leland Yee was arrested after a five-year investigation involving racketeering, bribery, weapons trafficking, money laundering, and other offenses. The SVRCFL assisted in the seizure of digital evidence during the search and arrest of the senator. The FBI investigation began with a Chinatown gangster who allegedly agreed to launder \$2.3 million in criminal proceeds, and included a former school board president and the subject. The indictment says the two solicited contributions to the senator's unsuccessful campaign for San Francisco mayor in 2011 and his more recent campaign for California secretary of state in exchange for promises of political favors. The senator, suspended by fellow lawmakers after his arrest, accepted a plea deal in July 2015.

Guilty Verdict in Trade Secrets Case: On March 6, 2014, a federal jury found that Walter Liew, his company, USA Performance Technology Inc. (USAPTI), and Robert Maegerle conspired to steal

PULSE CHECK: STATUS OF FY14 GOALS





-  **Recruit and Train New Examiners:** The SVRCFL added examiner trainees from the FBI, Alameda County Sheriff's Office, and San Francisco Police Department during FY14. SVRCFL also added an on-the-job trainee (OJT).
-  **Network Connection:** The SVRCFL coordinated incremental increases in operational wide area network connectivity deployment and expects the addition of San Francisco and Oakland in FY15.
-  **Prepare for Digital Evidence Extraction Technician (DExT):** The SVRCFL committed to provide DExT training in Menlo Park pending support from CART headquarters.
-  **Upgrade Facility:** Facility lease renewal delayed planned SVRCFL air conditioning upgrades.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY15

-  **Certify Examiners:** The SVRCFL intends to complete Forensic Examiner certification for personnel.
-  **Advanced Certifications:** The SVRCFL plans to obtain advanced certifications for two examiners.
-  **Increase Personnel:** The SVRCFL intends to bring two FBI personnel onboard as Forensic Examiners.
-  **Advanced Training:** The SVRCFL plans to develop and provide advanced training and tools for CART and RCFL.

trade secrets from E.I. du Pont de Nemours & Company regarding their chloride-route titanium dioxide production technology and sold those secrets for large sums of money to state-owned companies of the People's Republic of China. The SVRCFL supported this three-year investigation (the largest economic espionage case in FBI history). A single forensic examiner assisted case agents and prosecutors with the analysis and review of digital evidence from 25 search warrants nationwide— including 55 million documents and 1,200 exhibits.



WESTERN NEW YORK RCFL

www.rcfl.gov/western-new-york

Year Opened: 2006

Laboratory Director: SSA J. Michael Tapen, FBI
(SSA Robert Kosakowski, FBI during FY 2014)

Service Area: 17 Counties in Western New York

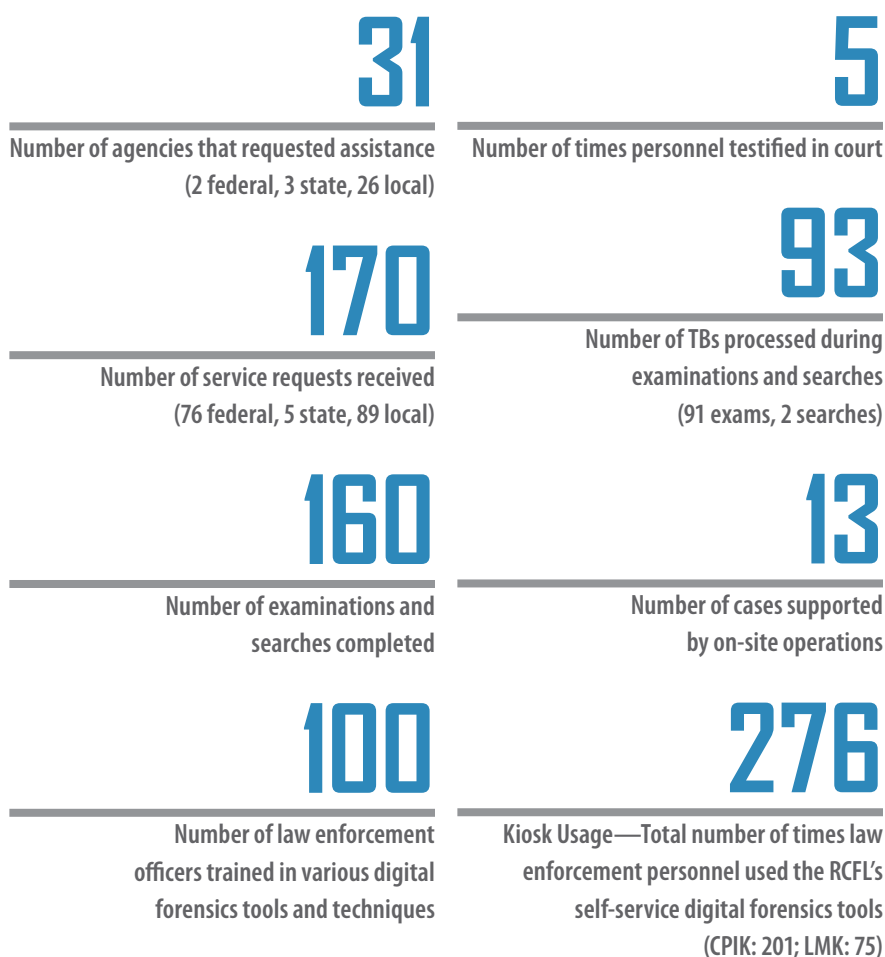
Number of Agencies in Area: 137

PARTICIPATING AGENCIES

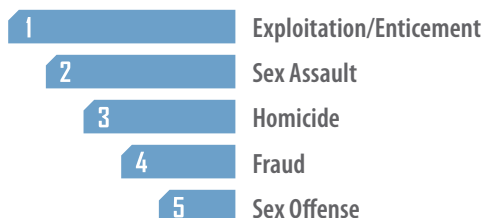
- Buffalo Police Department
- Erie County Sheriff's Office
- FBI—Buffalo Division
- Monroe County Department of Public Safety
- New York State Police NEW
- New York State Taxation and Finance NEW
- Niagara County Sheriff's Office
- United States Department of Homeland Security U.S. Border Patrol

PROGRESS REPORT

The RCFL's progress and accomplishments for FY14:



TOP 5 CRIMES



NOTABLE NEWS

Protecting the Community—Life Sentence in Child





Porn/Murder Case: David Renz was on home arrest with a monitored ankle bracelet for child pornography charges. Renz circumvented his ankle bracelet to make it appear he was home while he left his residence to murder a school librarian and rape her 10-year-old daughter. Renz's computer was encrypted, but through a thorough examination and a good interview, the password and encryption key were obtained and utilized by the Western New York RCFL (WNYRCFL) in retrieving critical evidence. The computer's hard drives contained more than 11,000 images and more than 1,200 videos of child pornography. Renz pled guilty to child pornography and murder and was sentenced to 30 years for the child pornography and a life sentence for the murder.

Digital Evidence Plays Key Role in Investigation into

Alleged ISIS Recruiter: A federal grand jury indicted a pizza shop owner in Rochester, New York on seven criminal counts, three of them stemming from his alleged recruitment for ISIS. The subject was charged with purchasing guns, silencers, and recruiting ISIS members to target current and former members of the U.S. military. The WNYRCFL has been providing forensic support to this investigation.



PULSE CHECK: STATUS OF FY14 GOALS




-  **Add One Additional Participating Agency:** The WNYRCFL exceeded this goal and added two new participating agencies: New York State Police and New York State Taxation and Finance.
-  **Make Progress Toward ASCLD/LAB Accreditation:** Progress is continuing toward accreditation. An audit was performed by the FBI's Digital Forensics and Analysis Section's (DFAS) Quality Assurance Program Manager.
-  **Increase Audio/Video Capability:** One examiner attended several of the FBI's Forensic Audio, Video and Image Analysis Unit (FAVIAU) courses and is working toward certification.
-  **Certify New Trainers:** FBI Train-the-Trainer classes were cancelled due to budget cuts, so no WNYRCFL personnel became certified to teach RCFL classes. However, with the existing trainers, 100 law enforcement officers were trained at the WNYRCFL during FY14.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY15



-  **Make Progress Toward ASCLD/LAB Accreditation:** Complete a pre-assessment audit and schedule for a full inspection in FY16 towards ASCLD/LAB Accreditation.
-  **Integrate New Examiners:** Fully integrate Monroe County examiners into the RCFL to begin servicing the eastern part of the WNYRCFL service area.
-  **Increase Certifications and Staffing:** Ensure all examiners are cell phone and Mac Basic certified; one examiner is audio/visual certified; and two additional ITS/FE are brought onboard.

ACKNOWLEDGEMENTS



The progress and accomplishments described in this report would not be possible without the FBI's continued support, as well as our invaluable partnership with the Asset Forfeiture Fund, and those relationships formed with our participating agencies nationwide, including—

CALIFORNIA

Orange County RCFL

- › Anaheim Police Department
- › Bureau of Alcohol, Tobacco, Firearms and Explosives 
- › FBI—Los Angeles Division
- › Fontana Police Department
- › Fullerton Police Department
- › Irvine Police Department
- › Los Angeles County Sheriff's Department
- › Los Angeles Police Department
- › Newport Beach Police Department
- › Ontario Police Department
- › Orange County District Attorney's Office
- › Orange County Sheriff's Office
- › Riverside County District Attorney's Office
- › San Bernardino District Attorney's Office 
- › Santa Ana Police Department

San Diego RCFL


- › California Highway Patrol
- › Carlsbad Police Department
- › Chula Vista Police Department
- › Coronado Police Department 
- › Department of Homeland Security—Immigration and Customs Enforcement
- › El Cajon Police Department
- › Escondido Police Department
- › FBI—San Diego Division
- › La Mesa Police Department
- › National City Police Department
- › Naval Criminal Investigative Service
- › Oceanside Police Department
- › San Diego County District Attorney's Office
- › San Diego Harbor Police Department 
- › San Diego Police Department
- › San Diego Sheriff's Department
- › U.S. Attorney's Office—Southern District of California

Silicon Valley RCFL

- › Alameda County Sheriff's Office
- › Contra Costa Office of the Sheriff
- › FBI—San Francisco Division
- › Fremont Police Department
- › Newark Police Department
- › Palo Alto Police Department
- › San Francisco Police Department
- › San Jose Police Department
- › San Mateo County Sheriff's Office

COLORADO

Rocky Mountain RCFL

- › 18th Judicial District Attorney's Office
- › Adams County Sheriff's Office
- › Arvada Police Department
- › Aurora Police Department
- › Colorado Bureau of Investigation
- › Commerce City Police Department 
- › Denver District Attorney's Office
- › Denver Police Department
- › Douglas County Sheriff's Office
- › FBI—Denver Division
- › Jefferson County Sheriff's Office
- › Lakewood Police Department

- › Littleton Police Department
- › Thornton Police Department

IDAHO

Intermountain West RCFL

- › Ada County Sheriff's Office
- › Boise City Police Department

ILLINOIS

Chicago RCFL

- › Aurora Police Department
- › Berwyn Police Department
- › Chicago Inspector General's Office
- › Chicago Police Department
- › Cook County Sheriff's Office
- › Cook County State's Attorney's Office
- › FBI—Chicago Division
- › Joliet Police Department
- › Lombard Police Department
- › Oak Park Police Department
- › Palatine Police Department
- › Romeoville Police Department NEW
- › U.S. Customs and Border Protection

KANSAS

Heart of America RCFL

- › Johnson County Sheriff's Office
- › Kansas Bureau of Investigation (KBI)
- › Kansas City Police Department
- › Lawrence Police Department
- › Lenexa Police Department
- › Olathe Police Department

- › Overland Park Police Department
- › Shawnee County Sheriff's Office
- › Topeka Police Department
- › U.S. Attorney's Office – District of Kansas

KENTUCKY

Kentucky RCFL

- › FBI—Louisville Division
- › Jefferson County Sheriff's Office
- › Kentucky State Police
- › Louisville Metro Police Department
- › Office of the Attorney General
- › University of Louisville

MISSOURI

Heart of America RCFL

- › Clay County Sheriff's Office
- › FBI—Kansas City Division
- › Gladstone Police Department
- › Grandview Police Department
- › Independence Police Department
- › Kansas City Police Department
- › Lee's Summit Police Department
- › Missouri State Highway Patrol
- › North Kansas City Police Department
- › Platte County Sheriff's Office
- › U.S. Attorney's Office – Western District of Missouri
- › U.S. Department of Agriculture – Office of Inspector General

MONTANA

Intermountain West RCFL

- › Billings Police Department

NEW JERSEY

New Jersey RCFL

- › Essex County Prosecutor's Office
- › FBI—Newark Division
- › Mercer County Prosecutor's Office NEW
- › Middlesex County Prosecutor's Office NEW
- › Monmouth County Prosecutor's Office
- › New Jersey Division of Criminal Justice
- › New Jersey Office of the Attorney General
- › New Jersey State Police

NEW MEXICO

New Mexico RCFL

- › Albuquerque Police Department
- › Bernalillo County Sheriff's Office
- › FBI—Albuquerque Division
- › Homeland Security Investigations
- › New Mexico State Police Department
- › Rio Rancho Police Department NEW
- › U.S. Fish & Wildlife Service, Office of Law Enforcement
- › University of New Mexico

NEW YORK

Western New York RCFL

- › Buffalo Police Department
- › Erie County Sheriff's Office
- › FBI—Buffalo Division
- › Monroe County Department of Public Safety
- › New York State Police NEW
- › New York State Taxation and Finance NEW
- › Niagara County Sheriff's Office
- › United States Department of Homeland Security U.S. Border Patrol

OHIO

Miami Valley RCFL

- › Dayton Police Department
- › FBI—Cincinnati Division, Dayton Resident Agency
- › Miami Valley Regional Crime Laboratory

OREGON

Northwest RCFL

- › Beaverton Police Department
- › Canby Police Department NEW
- › Clackamas County Sheriff's Office NEW
- › FBI—Portland Division
- › Hillsboro Police Department
- › Multnomah County Department of Community Justice
- › Oregon State Police
- › Portland Police Bureau
- › Washington County Sheriff's Office

PENNSYLVANIA

Philadelphia RCFL

- › Bucks County District Attorney's Office
- › Chester County District Attorney's Office NEW
- › Delaware County District Attorney's Office
- › FBI—Philadelphia Division
- › Montgomery County District Attorney's Office
- › Philadelphia Police Department

TEXAS

Greater Houston RCFL

- › FBI—Houston Division
- › Harris County Precinct 4 Constable's Office
- › Harris County Sheriff's Office
- › Houston Police Department
- › Pasadena Police Department
- › Texas Department of Public Safety

North Texas RCFL

- › Dallas Police Department
- › FBI—Dallas Division
- › Garland Police Department
- › Grand Prairie Police Department
- › Plano Police Department

UTAH

Intermountain West RCFL

- › Davis County Sheriff's Office
- › FBI—Salt Lake City Division
- › Salt Lake City Police Department
- › Sandy City Police Department
- › Utah Attorney General's Office
- › Utah Department of Public Safety
- › West Valley City Police Department





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